



The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3045
VOL. CXXVIII

JUNE 18, 1938

Annual Subscription (with
Diary) 20/- Single Copies 9d.



The Public's choice for over 70 years

Continually before the Public
in the National Press

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TOOTH PASTE

For Price and Profit Maintenance
support the tooth paste that has
NO SIXPENNY SIZE
and has been on the P.A.T.A.
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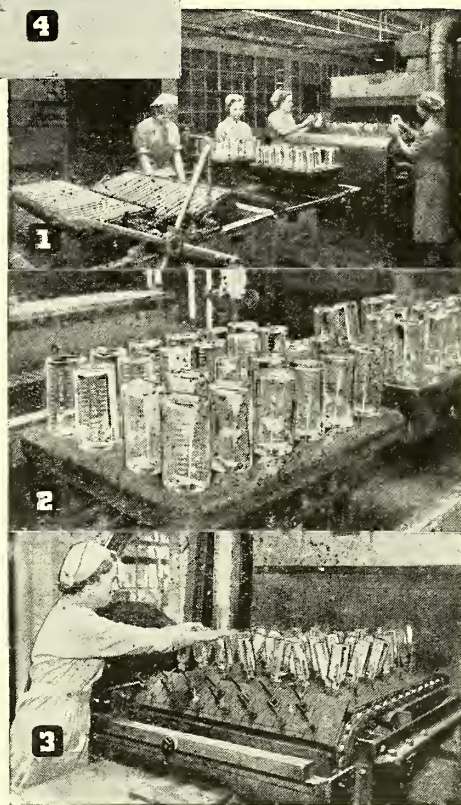
BEATSON, CLARK BOTTLE SERVICE

saves time and trouble for dispensers



So many dispensers now rely upon our washed, sterilised and carton-packed, ready-for-use medicals that we think it may interest readers to see how this trouble-saving service operates.

- 1** Entering the end of the washing machine, showing in the foreground the preliminary wash in hot distilled water and the drying machine in the background.
- 2** Close view of the final internal wash—high pressure jets of hot distilled water thoroughly scour the whole of the inside of the bottles.
- 3** Bottles entering the drying oven on a conveyor—each bottle is placed over a jet from which a blast of filtered hot air dries the interior. The bottles finally pass through a zone of super-heated filtered air.
- 4** Immediately on emergence from the oven the bottles are closed and are at once packed in their cartons, clean and sterile, ready for immediate use by the dispenser.

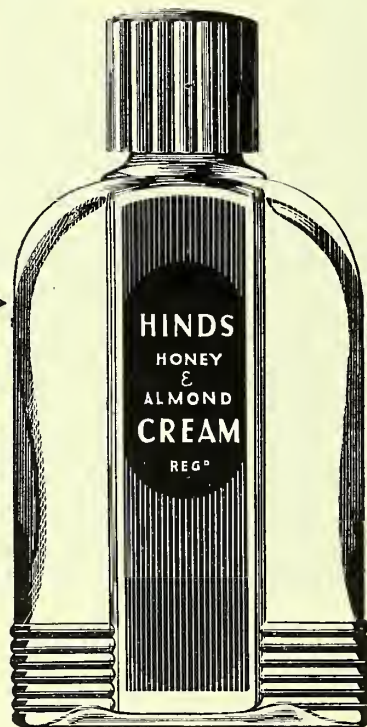


BEATSON, CLARK & CO. LTD.

MANUFACTURERS OF
Chemical & Medical Glass
ROTHERHAM YORKS.

A Sunburn Remedy worth building *because it has year-round sales!*

Why listen anxiously to the weather reports and worry about your stock of sunburn lotions? Just see that you have a good stock of Hinds Honey & Almond Cream which is made to a formula that *is bound to soothe and smooth the skin* in summer and winter alike.



We're backing it with special Summer Advertising—
by

RADIO

Radio's Prettiest Personalities.—HONEY & ALMOND.

"Four beautiful hands."

On Radio Lyons (215 metres), Tuesdays, 10.45 p.m., Sundays, 11 p.m.
A PROGRAMME OF PIANO DUETS SUPPORTED BY A FAVOURITE CROONER—WITH DRAMATIC ADVICE TO WOMEN ON THE BEAUTY CARE OF SKIN IN SUMMER.

To pick up the results of the Radio Campaign send
for new

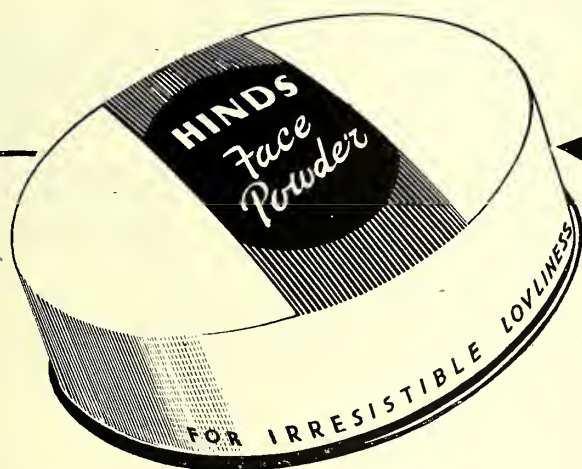
DISPLAYS

- (a) A limited number of the large three-panel window screens 2' 6" x 4' in 10 colours.
- (b) A neat circular display ticket that makes a counter show out of a single carton.
- (c) A bold window strip that "shouts" the sunburn use.

FOR DISPLAY MATERIAL WRITE TO



In the Sun-tan Season this *4-Shade Face Powder* means big profits—it meets a big demand!



Specially adapted for sun-tan weather is "RIVIERA"—one of the four basic shades of Hinds Face Powder. Remember too that its four-fold ability to match individual skin-tones with perfect harmony is a special feature with a strong appeal at all times—which means all the year round profits for you.

*A strong Summer Advertising Campaign supports you
in the*

Attractively presented messages that command attention at a time when complexion-care is more than ever a necessity.

PRESS

Help yourself still further with our attractive

Make full use of the arresting Showcard, for both Window and Counter Display, in which we have incorporated our special Graduated Colour Chart to help your customers to choose the right shade.

**DISPLAY
MATERIAL**

A. S. HINDS LTD., Raynes Park, London, S.W.20

**The
world's
buyer**



**finds the key to shrewd and easy buying at the
BRITISH INDUSTRIES FAIR**

It is a plain fact that since its inception in 1915 the British Industries Fair has established itself in the eyes of both overseas and home buyers as the one event that *must* be visited by a progressive business.

Figures speak — in 1915 there was an attendance of 33,676 at the Fair; in

1938 the figure had risen to 380,031! Each year for the last four years the available space in the Fair has been over-applied for.

★ *Applications for space should be made to the Department of Overseas Trade, 35 Old Queen St., London, S.W.1.*

Put your goods before the world at the

BRITISH INDUSTRIES FAIR

LONDON and BIRMINGHAM · February 20th — March 3rd

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" Pills

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" Liquid Glucose

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(Neutral Cloudy)

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" Poulticine" (Reg.)

Sands Green Herbal Ointment

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• All packed in attractive style

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that it pays you to send your orders to

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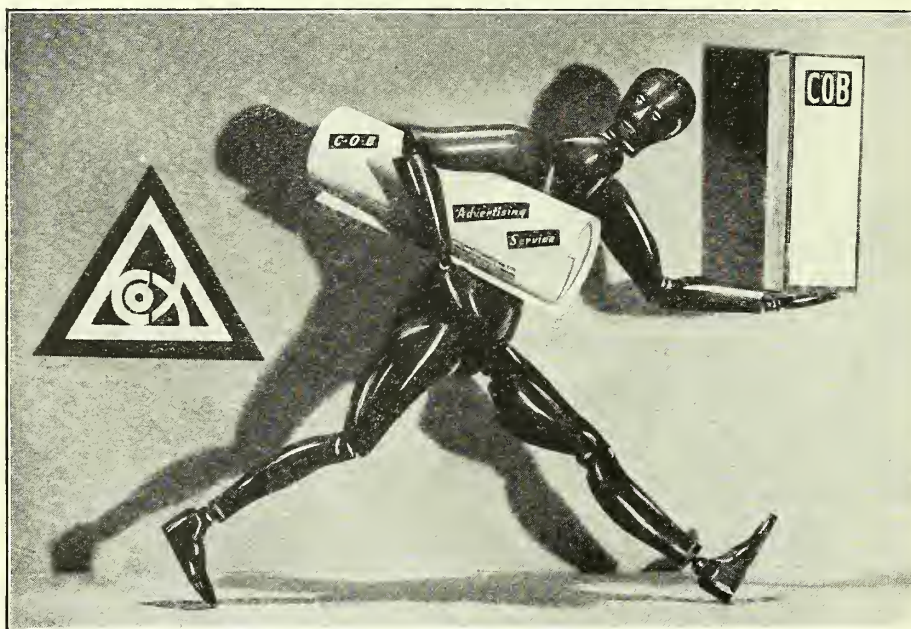
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The C.O.B. method of packing Pharmaceutical Products introduced over 5 years ago has evoked warm praise from hundreds of Pharmacists.

In conjunction with this scheme we have now introduced a comprehensive

ADVERTISING SERVICE

and Chemists who adopt the Chemist's Own Brand Scheme have at their disposal not only a smartly packed series, but a real force to meet competition, establish goodwill and foster repeat business.

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ARTHUR H. COX & CO. LTD.

Manufacturing Chemists, BRIGHTON

LOVE ME, LOVE MY DOG **flea?**
(CTENOCEPHALUS CANIS)



DOG FLEAS ARE APT to be ruinous pets for men and women like you. One may carry 20 embryo tapeworms, waiting their chance to involve you in endless trouble and expense. Eliminate this risk of worms—87% of tapeworm infections are due to dog fleas—and the other risks as well, simply by following the

COOPER HEALTH ROUTINE

1 TO PREVENT TAPEWORMS—Spend five minutes once a week dusting your dog's coat with Pulvex, to keep him free from fleas and all flea-borne parasites. A 6d. tin lasts several months.

2 TO PREVENT ROUNDWORMS—Spend thirty seconds once a day sprinkling his main meal with Cooper's Vitamin Ration to give him vital elements he won't get any other way. A 1/6 tin lasts two months.

IF YOUR DOG HAS WORMS NOW, Cooper's Liquid Worm Remedy will rid him of the lot, tapeworms and roundworms, with as little distress and danger as may be. Then the Cooper Health Routine, faithfully followed, will prevent the need for repeated worming.

* This simple routine was devised and perfected by Cooper's own Research Bureau, which carries on the only research work done on these lines in this country. For any further information that will help you, please write as fully as you can to the Dog Remedies Department.

COOPER'S VERMIN POWDER | **COOPER'S VITAMIN RATION** | **COOPER'S LIQUID WORM REMEDY**
6d and 1/3 sprinkler tins | 1/6, 2/9, and 4/6 | Small dogs 1/3, larger dogs 2/6 bottles

FROM ALL CHEMISTS AND DOG SHOPS

COOPER, McDOUGALL & ROBERTSON LIMITED, BERKHAMSTED, HERTS

DIRTY DOG FEEA! That's the proper comment, with the accent on the £, for you to make on this advertisement, reprinted now in miniature from the 'Tailwagger' etc. The Cooper Health Routine, which puts paid to this loathsome pest, can mean real money to you. Vet. counters in quite small shops are turning over a steady £5 per week. Have you got one? The Cooper Health Routine will give you a flying start and a dependable mainstay. Three sales in one and nine times the profit in the year.



PULVEX VERMIN POWDER
6d and 1/3 sprinkler tins

COOPER'S VITAMIN RATION
1/6, 2/9, and 4/6

COOPER'S LIQUID WORM REMEDY
Small dogs 1/3, larger dogs 2/6 bottles

TRADE TERMS—less 33 1/3% and less 5% cash monthly

COOPER, McDOUGALL & ROBERTSON LIMITED, BERKHAMSTED, HERTS

FACTS *not* FICTION



The NUFIX claim to be the leading hair dressing is based on definite proof of quality . . . confirmed by practical tests of independent experts and the analysis of leading analytical chemists.

NUFIX costs more to make because of its valuable ingredients — found only in NUFIX—yet NUFIX sells at popular prices. NUFIX is outstanding in quality and efficiency . . . its daily use ensures perfect grooming, a clean healthy scalp and definite hair growth. NUFIX sales are increasing week by week, month by month, year by year, due to leadership in quality and truthful advertising.

NUFIX

THE FAULTLESS HAIR DRESSING

WALDEN & CO. (NUFIX) LTD., NUFIX WORKS, ROOKERY WAY, LONDON, N.W.9



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(Established 1908)

*An Illustrated Monthly Review of the
Perfumery and Allied Industries*

The regular publication (in English and Spanish as well as in French) of technical and practical articles on Essential Oils and Synthetic Perfumery Products is a feature of this popular Trade Journal.

Specimen copy and all particulars from

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Link up with this big OSLO SUMMER SALES DRIVE!



Refreshing Oslo Pine Bath Salts, like all Maclean lines, sell steadily all the year round—but with the warmer weather, the Oslo sales curve rises sharply. Macleans have again planned a summer sales drive for Oslo Pine Bath Salts, and these bigger sales bring profits of 33-1/3rd to 46% on turnover. Link up now with a window display.

REALLY BEAUTIFUL NEW SHOWCARDS

These striking showcards, each based on a figure study by one of the leading photographers of our day, will focus every eye on your window. It will pay you well to build an Oslo display round these real-life portrait studies.

BIG SAMPLING CAMPAIGNS!

Thousands of free samples will be distributed this summer, through popular periodicals. Macleans Oslo Pine Bath Salts has the approval of many leading beauty-writers, and will be recommended consistently throughout the summer months. All these efforts make new customers for you.

PRICES

Small, Retail 6d. (6 bath size)
1 dozen 4/-
Large, Retail 1/- (14 bath size)
1 dozen 8/-

Special terms to direct buyers

MACLEANS LIMITED,
GREAT WEST ROAD, BRENTFORD, MIDDLESEX



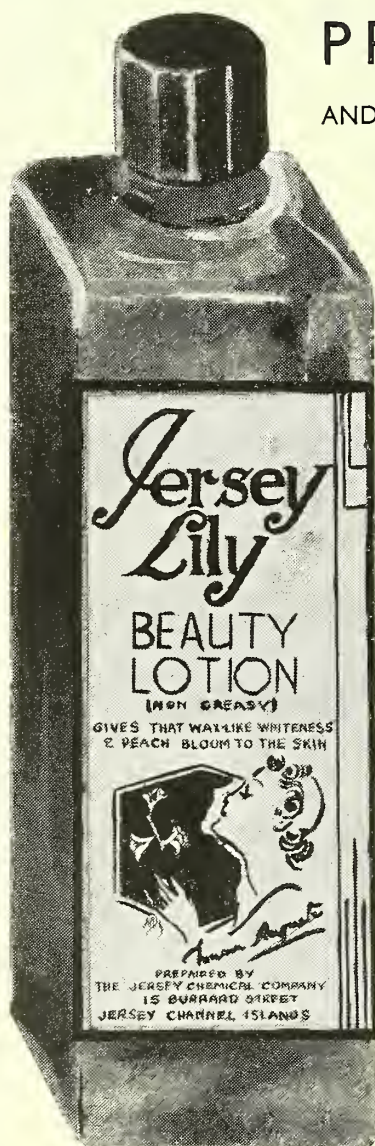
GENEROUS SAMPLES

Over the last two years widespread sampling campaigns, resulting in thousands of new customers, have increased Oslo sales. There is nothing so convincing as a personal test. Watch your sales go up this summer.



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BEAUTY
LOTION—**

the British
product that
is really
something
brand new.

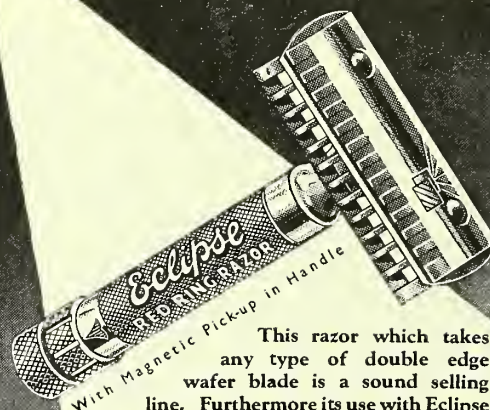
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The name
alone sells
the first
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satisfaction
brings repeat
sales.

Keep ahead of the demand by
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The razor for the connoisseur



This razor which takes
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10/6, 5/6, 3/6
Blades 5 for 1/8

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Obtainable from your usual Wholesaler
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If you *must* gamble

do it in the right place, not in your business.
There, your money should not be in a gamble:
you should be SURE of it.

At the moment, do you know how much you lose
through mistakes in adding prices or through
forgotten credit sales? Do you know NOW if
the amount of money in your cash drawer is all
that should be there?

Consider these points and ask yourself if the
amount of your profit is not a sheer gamble:
one in which you may lose, occasionally break even
—but never win!

Our free booklet "System for Chemists" indi-
cates how the profit gamble can be cut out.
It awaits your request. Why not have a copy?

The National Cash Register Co. Ltd.
206-216 Marylebone Road, London, N.W.1

ANOTHER BIG PUBLICITY CAMPAIGN for LANALOL HAIR FOOD

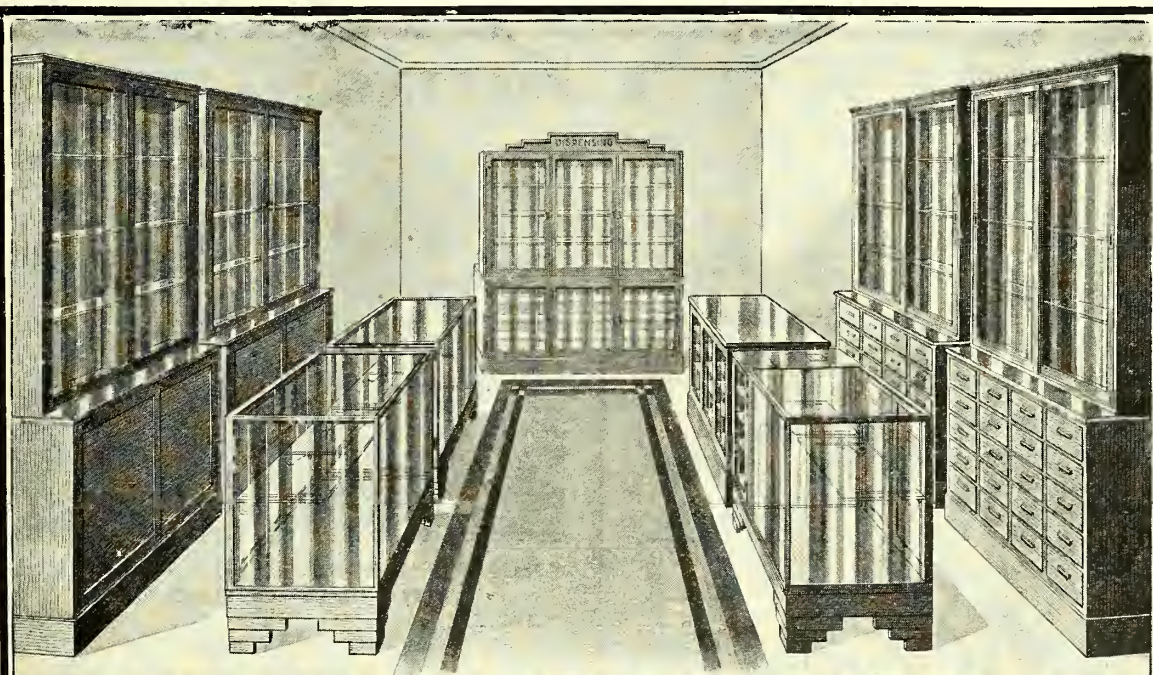
including the front page of the **DAILY MAIL**, full page in the **RADIO TIMES**, together with large spaces in important national and provincial papers.

LOOK TO YOUR STOCKS!

No. 1 With Oil (yellow label); No. 2 Without Oil (green label). 2/6 per large bottle.

This product is supplied on strictly P.A.T.A. terms from all Wholesale Houses.

LANALOL LTD., 57-60 Holborn Viaduct, London, E.C.1



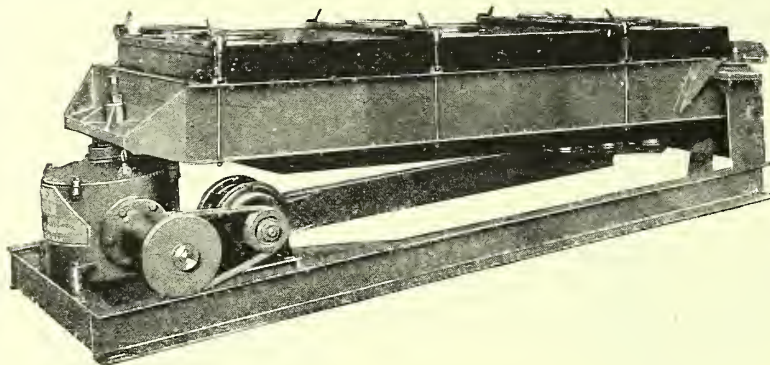
Your Shop can look like this—imagine this handsome set of Fixtures and Counters in your premises and remember they can be had for **£133.10.0**

Supplied immediately on deferred payments involving a small initial payment. Let us send you our Catalogue No. C.D. 1810

DUDLEY & COMPANY, LIMITED, 451-3 Holloway Rd., London, N.7

City Showrooms: 65 Fore Street, E.C.

Just as every lane has its turning . . .



These are just a few of the materials that are NOW being screened successfully on a LOCKER-ROTEX screener:

Aspirin, Boric Acid, Calcium Acid Phosphate, Calcium Carbide, Copper Sulphate, Dental Powder, Epsom Salts, Fertilizers, Glauber Salts, Liquorice Extract, Magnesia, Potassium Carbonate, etc., etc.

... so has every screening problem its solution, and ninety-nine times out of a hundred, the solution can be found in the LOCKER range of Screeners.

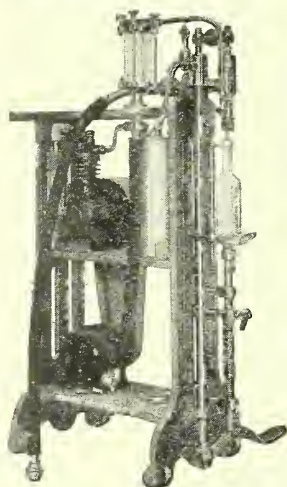
Every day LOCKER-ROTEX screeners are handling countless different substances for satisfied users. Some deal with many tons an hour, others, handling especially fine material, have an output measured in pounds per hour. You may be sure that there is a LOCKER-ROTEX to fit your requirements.

Will you write and ask our expert to call and help you?

LOCKERS (ENGINEERS) LTD.

WARRINGTON — ENGLAND

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"LEO" VACUUM FILLER



for Glass, Stone,
and Tin Bottles.
Fills all sizes from
drachm to quart—
long, short or
sprinkler neck.

Clean and Rapid
No Over Filling
Broken Bottles
Rejected
Easy to Clean
Self Rinsing

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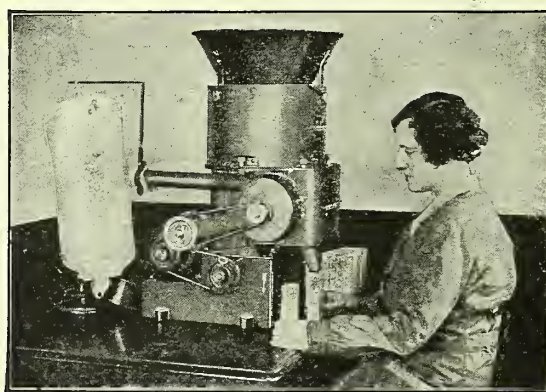
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Company Limited

33 Roundcroft Street, Bolton, Lancashire

Makers of every description of Bottle Filling and Shallow Jar and Tin Filling Machine for the Chemists' use

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FOR ALL POWDER MATERIALS



"MINOR" LOOSE-FILLING MACHINE
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For Filling

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Self-Contained motor drive

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The tenth edition of this, the most complete pharmaceutical formulary in the English language, is devoted to the official and semi-official preparations of practically every country in the world. This volume (published 1929) contains 1146 pages. Invaluable to the busy pharmacist. One of the most useful and handiest reference books in the trade.

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A DELICIOUS SWEETENED AND
FLAVOURED JUNKET FOR THE
SICKROOM AND TABLE.

ADD CONTENTS TO A PINT
OF WARM MILK STIR GENTLY
AND ALLOW TO COOL.

A PRODUCT TO CREATE SALES

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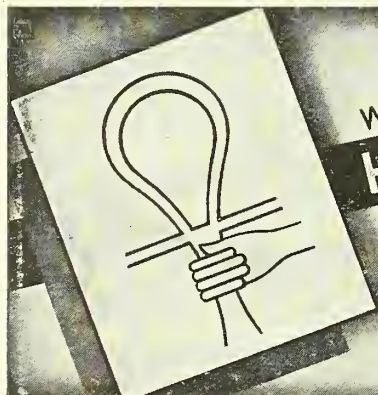
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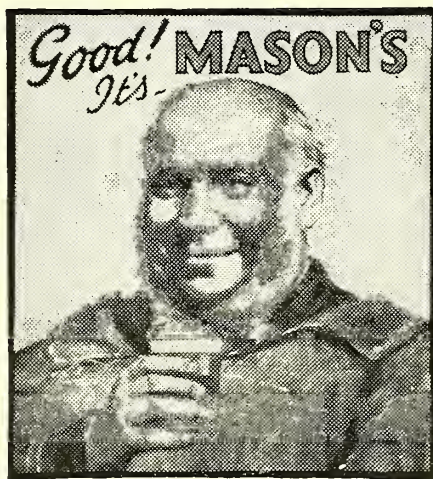
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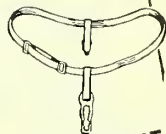
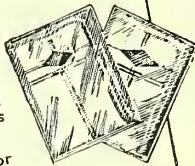
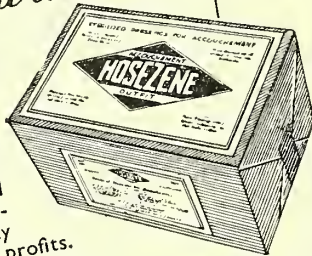
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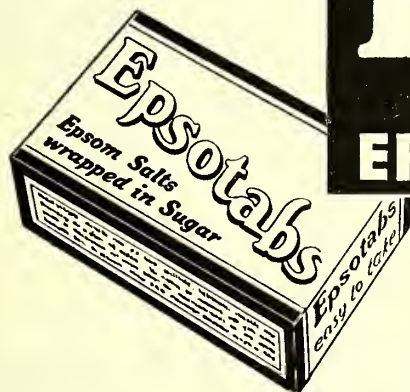
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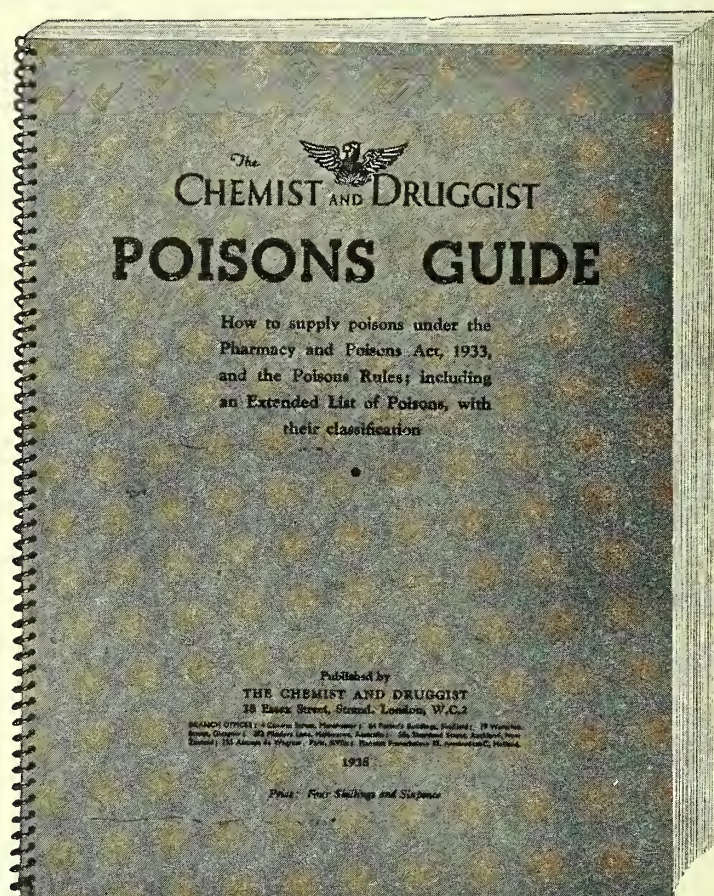
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News of the Week

Business Changes

MR. E. TOMLINSON, M.P.S., has opened new premises at 163 West End Road, Morecambe.

REMOVAL.—Magnus, Mabee & Reynard, Inc., have now moved into their new six-storey modern fireproof building at 16 Desbrosses Street, New York (C. & D., December 18, p. 707).

ERNEST J. GEORGE & Co., chemists' valuers, Bank Chambers, 329 High Holborn, London, W.C.1, and Walsall, have taken into partnership Mr. G. Loxton Grinstead, M.P.S.

G. B. KENT & SONS, LTD., 75 Farringdon Road, London, E.C.4, inform us that they have transferred their agency to the Cosby Brush & Import Co., Inc., Rockefeller Center, Fifth Avenue, New York, U.S.A. Mr. A. W. Andrews, who has been employed by Messrs. Kent for many years in England, is attached to the new agency.

Baltic Exchange: New Aircraft Section

At a meeting held on June 10 the Baltic Exchange decided to form an aircraft section, to provide facilities for the chartering of aircraft for the carriage of freight. Capt. A. Instone, in moving the resolution, said the time was opportune for such a section of the Baltic to be formed.

Proprietary Articles Trade Association

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ALTERATION

MORGAN'S POMADE CO., LTD. This company has taken over the distribution of Morgan's pomade. (For prices, see P.A.T.A. Year Book, p. 198.)

Iodine Educational Bureau

The Nitrate Corporation of Chile, Ltd., announces the formation of an Iodine Educational Bureau to promote the knowledge and use of iodine in the agricultural, medical and industrial fields. The bureau will collect all available scientific information which has been developed in respect of iodine since 1811, when the element was discovered. This information will be placed at the disposal of the medical profession and scientific agricultural circles, as well as commercial interests. In addition the bureau will collaborate with scientific institutions in experimental research to extend the knowledge of iodine, with special reference to its use in human and animal nutrition. The Bureau will not engage in any selling activities and its functions will be entirely educational. This activity is being

organised in the interests of the Chilean iodine producers. The bureau will be under the direction of Dr. Francis C. Kelly, who has been associated with Sir John Orr as deputy director of the Imperial Bureau of Animal Nutrition at the Rowett Research Institute, Aberdeen. The offices of the Iodine Educational Bureau will be at Stone House, Bishopsgate, London, E.C.2.

Staff Outings

BROME & SCHIMMER, drug importers, London, S.E.1, had their staff outing on Saturday, June 11, and spent the day at Bracklesham Bay, Sussex.

CHESEBROUGH MANUFACTURING Co.—The office, warehouse and factory staffs of the Chesebrough Manufacturing Co., Consolidated, went on an outing to Margate on June 11. Luncheon was presided over by the general manager, Mr. C. Plummer. Mr. E. H. Powell (organiser) thanked Mr. Plummer and the company for their help, and Mr. Plummer replied. He welcomed Mr. T. J. Williams, a retired employee, who had seen over thirty years' service. After luncheon the company dispersed to spend the afternoon as they desired.

THE BRITISH DRUG HOUSES.—The annual outing of employees of the British Drug Houses, Ltd., was to Margate on June 11. Nearly a thousand members of the party travelled by train, coach, car or river steamer. At lunch, in the absence abroad of the chairman and managing director (Mr. C. A. Hill), the chair was taken by Dr. F. H. Carr, who was supported by Messrs. F. C. O. Shaw, C. M. Hill, A. W. Hill and K. G. Shaw (Mr. R. R. Bennett had sailed for America the previous day). The toast "The Directors" was proposed by Mr. K. M. Cave and responded to by the chairman, who welcomed the large number of retired employees who were there, and congratulated the committee and stewards responsible for all the arrangements.

BURROUGHS WELLCOME & Co.—At the annual garden party of Burroughs Wellcome & Co., held in the grounds of the Wellcome Club and Institute, Dartford, on June 11, visitors included the Mayor and Mayoress of Dartford; Mr. G. E. Pearson (general manager); Dr. S. Smith (works manager) and Mrs. Smith; and Dr. and Mrs. Henry. The afternoon was devoted to athletic sports, including a fencing display, bowls match, tennis tournament, aquatic sports and a netball match, which was won by the head-office team. Prizes were distributed by Mrs. Smith. During the evening there was a concert on the croquet lawn, followed by a whist drive and dancing. The festivities terminated with a display of fireworks. Over 600 were present.

CONTENTS

See p. 699

Hull

A.R.P. MEETING POSTPONED.—The meeting on Air Raid Precautions arranged by the Hull Chemists' Association for June 14 has been postponed indefinitely owing to the organiser being called away on official business.

ELECTION OF OFFICERS.—Officers appointed at the annual meeting of Hull Chemists' Association recently were: *President*, Mr. Harold Bays; *Vice-President*, Messrs. E. Brocklehurst and W. E. Naylor; *Secretary*, Mr. K. P. Clappison; *Minute Secretary*, Miss W. Vokes; *Social Secretary*, Mr. H. Ringrose; *Treasurer*, Miss Thelma Sawyer.

Lancaster

CONFERENCE RESOLUTIONS DISCUSSED.—A meeting of the Lancaster, Morecambe and District Branch of the Pharmaceutical Society was held on May 31, the president (Mr. R. Swaits) in the chair. Motions to be put at the representatives' meeting at the forthcoming British Pharmaceutical Conference were read by the secretary and discussed. Delegates from the Branch were instructed to support the following:—No. 1 (from Birmingham and District Branch); No. 2 (Liverpool and District); No. 4 (Plymouth and District); and No. 6 (Manchester, Salford and District). After discussing the third motion, the meeting supported the amendment from the Leeds and District Branch. Members were of opinion that the fifth motion should not be supported, as pharmacists usually present at the Conference were those who generally supported the Benevolent Fund to the best of their ability; some effort should be made to touch the pockets of those who did not subscribe. Answering a question on the proposed A.R.P. lectures, the secretary said that he had received sufficient promises of attendance to justify lectures being held in both Lancaster and Morecambe. If only one place was allowed, the former would be chosen. Notification had been sent to the Society but the matter was held up until some arrangement was made between the Society and the Home Office with regard to lectures. The code of ethics prepared by the Tees-side Branch was read and unanimously approved; a vote of appreciation and congratulation to the Tees-side Branch was passed for the thorough and conclusive manner in which the code had been drawn up. A letter from the secretary of the National Pharmaceutical Union concerning the Chemists' Friends scheme was read and a lengthy discussion followed, at the conclusion of which the secretary was asked to obtain particulars of its success or otherwise from Branch secretaries in towns where the Scheme had been tried. Further discussion was postponed until later in the year. On the proposal of Mr. C. E. Marriott, the secretary was elected chemists' representative on the Chamber of Trade executive.

Manchester

INSPECTIONS.—The annual report of the Chief Constable of Manchester states that during the year 319 visits of inspection under the Dangerous Drugs Acts, 1920-1932, were made to premises of retail and manufacturing chemists, for purposes of examining stocks of drugs, registers, orders and prescriptions.

OFFICERS FOR THE YEAR.—The officers of the Manchester Pharmaceutical Association for the coming year, appointed at a Council meeting held on June 2, are: *President*, Mr. G. V. Tyler; *Vice-Presidents*, Mr. J. W. Wood and Miss I. Roberts, M.Sc.; *Treasurer*, Mr. W. I. Scholes; *Social Secretary*, Mr. J. H. Franklin; and *Secretary*, Mr. T. Miller. At an executive meeting of the Manchester, Salford and District Branch, Pharmaceutical Society, on the same date, the following officers were appointed: *Chairman*, Mr. J. H. Franklin; *Vice-Chairman*, Mr. Harry Brindle, B.Sc., F.I.C.; *Treasurer*, Mr. W. I. Scholes; and *Secretary*, Mr. T. Miller.

Merseyside

LABORATORY VISIT.—Over a hundred students from the Liverpool School of Pharmacy were shown round the laboratories of Evans Sons Lescher & Webb, Ltd., on May 24 and 25. At the conclusion of the visit the firm entertained the students to a high tea. Mr. C. E. J. Sendall (director and head of the laboratories) presided.

CROSBY ASSOCIATION.—A meeting of the Waterloo, Seaforth and Crosby Pharmacists' Association was held on June 10, the president (Alderman J. Allen Jones) in the chair. The secre-

tary reported that he had discussed the Society's memorandum on Air Raid Precautions with the Crosby A.R.P. department, and had been officially requested in writing to advise pharmacists who had enrolled as air-raid wardens to send in their resignations. The secretary stated that a number of pharmacists had attended a course of eight A.R.P. lectures arranged by the Home Office for doctors; it was felt that a course of lectures should be arranged primarily for pharmacists, and the secretary was instructed to make inquiries of the authorities. Crosby A.R.P. department had asked the secretary to call for a minimum of four pharmacists for gas detection and eight to be attached to first-aid posts (subject to the considerations mentioned in the Society's memorandum). The secretary was instructed to circularise every pharmacist in the area on the subject, and to arrange for a simultaneous A.R.P. window display in pharmacies. The secretary reported on the views expressed by doctors in reply to the circular sent to them about a proposed early closing order. After discussion it was agreed that consideration of the proposal be deferred. A similar decision was reached in connexion with a proposal to form a Wednesday evening rota.

Sunderland

BRANCH OFFICERS.—The annual meeting of the Sunderland and District Branch of the Pharmaceutical Society was held on May 26, the vice-president (Mr. J. Carr) in the chair. New officers were elected as follows: *President*, Mr. J. Carr; *Vice-President*, Mr. J. C. Penman; *Secretary*, Mr. H. C. M. Winch; *Assistant Secretary*, Mr. G. F. Dale; *Treasurer*, Mr. J. Spence; *Committee*, Messrs. W. Nixon, W. Nimmo, J. Montgomery, A. R. Riley, D. Murgatroyd, A. T. Mole. Messrs. J. Penman and J. Montgomery were appointed Branch representatives to the Edinburgh Conference, and Messrs. J. Penman, G. F. Dale and Miss M. Murgatroyd were elected a *Subcommittee* to deal with the social affairs of the Branch.

Miscellaneous

INQUEST.—At the inquest held at Earley, Reading, recently, on Frederick John Cook, a jobbing gardener, the coroner returned a verdict of "suicide," according to medical evidence. A post-mortem examination revealed a condition typical of acute arsenical poisoning, and other evidence said that the tin of weed-killer found in the shed contained 56 per cent. of arsenic.

VISIT TO WORKS.—About fifty members and friends of the Reading and District Branch of the Pharmaceutical Society visited the factory of Horlicks, Ltd., recently. After a tour of the departments tea was provided. Mr. A. E. Breakspear (a past-chairman of the branch) expressed the thanks of the party, and Mr. Robin Adair replied on behalf of the directors of Messrs. Horlicks.

CLOSING ORDER.—Derby Town Council, following representations from the local branch of the National Pharmaceutical Union, is proposing to make an order for the closing of all pharmacies in the town by 7.30 p.m. on Monday, Tuesday, Thursday and Friday, 1 p.m. on Wednesday, and 8 p.m. on Saturday. Shops in the centre of the town will continue to close at 7 p.m. as hitherto.

GOLF.—The London Chemists' Golfing Society held a competition meeting at West Surrey Golf Club, on June 12. A tie resulted in each competition, the winners having to be decided on the last nine holes.

Mentholum Cup (Medal)		Kerfoot Trophy (Bogey)	
R. Briggs 73 net.	L. J. Morson	.. All square.
W. Bennett 73 net.	A. de V. Wells	.. All square.
L. J. Morson 74 net.	R. Briggs	.. 2 down.
G. B. Thompson 75 net.	A. E. Willmer	.. 3 down.
A. E. Willmer 76 net.	W. Bennett	.. 4 down.
J. Deas 77 net.	G. B. Thompson	.. 4 down.
		A. White	.. 4 down.
		T. W. D. Turner	.. 4 down.

The ladies were invited to compete for a silver cup presented by the Society, and Mrs. R. W. Poole won with 80-16=64, ten strokes under the bogey of the course. A mixed foursome was played under handicap medal conditions, winners, Mrs. Poole and Mr. L. J. Morson, 68 net. The president (Mr. W. Bennett) presented each lady competitor with a box of three golf balls at the commencement of the day's play and also provided prizes for the mixed foursomes.

Irish Notes

Miscellaneous

CITY ANALYST.—Mr. John Hawthorne, B.A., Ph.D., F.I.C., has been appointed Belfast city analyst.

BUSINESS CHANGES.—Mr. J. B. McDevitt, M.P.S.I., has opened a new pharmacy in Monaghan. Mr. P. Moynihan, R.D., has started business on his own account at Blarney Street, Cork.

GENERAL ELECTION CANDIDATES.—Pharmacist candidates in the forthcoming Eire general election include Dr. Myles Keogh (Dublin South) and Mr. J. J. Cole (Cavan), who are members of the present Dail.



Group photographed at the Irish Chemists' Golfing Society's Ballybunion meeting recently by Mr. P. C. Cabill (vice-president). The group includes Messrs. F. Roche; Draper, London; J. J. Roche; E. McManus; P. Harwood; and J. Costello, Galway.

Scottish Notes

Aberdeen

BRANCH ANNUAL MEETING.—The annual meeting of the Aberdeen and North-Eastern Scottish Branch of the Pharmaceutical Society was held in the Palace Hotel, Aberdeen, on May 25. Mr. Alex. S. Weir, chairman, presiding. The deep regret of the members was expressed at the loss sustained by the death of Mr. Hugh M. Dugan. Dr. Tait pointed out that a statutory declaration would be necessary on renewal of licence for retailing methylated spirit since the coming into force of the new Methylated Spirit (Scotland) Act. He advised members that if they desired exemption from jury service to write him for a letter to submit to the authorities. He said that a meeting was to be held next day between a committee from the Department of Health and a committee of the standing committee on insurance, when the chemists were to press for a professional fee for N.H.I. work. He spoke of the classes for instruction in A.R.P. being conducted by Dr. Nairn Hay, and said it was likely that classes would be started in Aberdeen. Mr. Jack gave an address including the subjects of education, law committee work, barbiturates, apprentices and Huddersfield publicity scheme. Dr. Tait and Mr. Jack were thanked, on the motion of Mr. Hay. The following were the elected office-bearers:—*Chairman*, Mr. M. K. Watt; *Vice-Chairman*, Mr. J. D. Christie; *Treasurer*, Mr. W. A. Park; *Secretary*, Mr. James Farquhar; *Auditor*, Mr. Alex. S. Weir. Mr. John Smith was added to the committee. *Conference Representatives*:—Mr. K. Watt, Mr. W. T. Elder, Mr. A. A. Meldrum and the Secretary.

Miscellaneous

MR. W. J. GORDON, M.P.S., has opened a pharmacy at 32 Friars' Vennel, Dumfries.

T. & H. SMITH, LTD., Edinburgh, inform us that their telephone number has been altered to 63922-31 (10 lines).

Topical Reflections

By Xrayser

The Conference Programme

Those who propose to attend the Edinburgh meeting of the British Pharmaceutical Conference in September have, no doubt, scanned the attractive programme given on p. 636. Should the full sequence of fixtures prove to be too strenuous an undertaking for some of the older members (even though they are not beginning to "sag down into senility," as Sir John Anderson, now a Scottish university representative in Parliament, put it in another connexion a few days ago), there is always the alternative of impromptu visits to various places of interest, among which I may perhaps be allowed to instance the National Library of Scotland. I take the opportunity of protesting against the modern innovation of holding the opening session on a Monday afternoon. If memory serves, this practice began in 1935; in any case, the fact that it was not observed at Liverpool last year leads me to hope that it is not yet stereotyped. In whatever centre the Conference may meet, 3.30 p.m. on the first working day of the week is a highly inconvenient time for responsible people who have to travel some hundreds of miles to be present.

Science in Cosmetics

Most of your readers will, no doubt, share my appreciation of the article "Vitamin F in Cosmetics" in your last week's issue (p. 679), and the editorial remarks on p. 675 regarding export trade in toilet preparations. About fourteen years ago I heard one of our leading pharmacists (who has since been president of the Pharmaceutical Society) publicly lamenting the multiplicity of face powders and similar goods, and I believe a letter from him on that subject appeared in your columns somewhat later; but this is a feature of the trade that in a competitive world I see no means of changing. The use of cosmetics on the distaff side is no longer regarded as of the nature of a luxury: the old saying about feathers might now be rewritten as "fine cosmetics make fine birds." Your

discussion of vitamin F as a cosmetic indicates clearly that its use has passed beyond the stage of guesswork. All that remains in that field, I suggest, is for a dermatologist to take the subject up from his own point of view and publish his conclusions for discussion by other dermatologists. Turning to the commercial side, there seems to be no reason why British manufacturers should not gain and keep a larger "place in the sun" than they have at present succeeded in attaining. Jingoism is not a very laudable quality, in commerce or anywhere else; but the words of an old music-hall song may with slight modification be applied to the export of cosmetics: "We've got the ships, we've got the goods, we've got the ideas too."

Definitions for All

One does not ordinarily look for entertainment in your parliamentary news paragraphs, dependent, as they necessarily are, upon their subject-matter. It strikes me, however, as richly humorous that a Government speaker should consent to define, after all that has preceded the question put to him on the subject, certain terms relating to gas warfare and to give a list of each type mentioned. There are great possibilities in this idea. A Ministry of Information might be created, with the appropriate army of under-secretaries, typists and card-indexes, and the Minister might be invited to answer questions that would ensure a certain amount of publicity for pharmacy. Examples are: State the implications of Section 8 of the Pharmacy and Poisons Act; name the classes of goods that may be sold in pharmacies after closing hours; explain the difference between an elected councillor and a co-opted councillor, and give a list of each. By way of a supplementary question something lighter might be tried, such as: "Is the right honourable gentleman aware that the average pharmacist stirs with his pestle anti-clockwise, whereas the average housewife stirs—," the remainder of the sentence being lost in the laughter usually forthcoming on such occasions.

Towards an International Pharmacopœia

THE Technical Commission of Pharmacopœial Experts appointed by the Council of the League of Nations at its January meeting (*C. & D.*, February 12, p. 173) met at Geneva in May. The Commission's initial task was to prepare a programme of studies, select suitable drugs for examination, and determine a uniform method of analysis, assay and preparation of the drugs selected. At this, its first meeting, the Commission progressed as far as preparing a list of the more important drugs which it proposed to study and codify. Draft schemes for preparing monographs on the drugs were agreed upon, and a number of general principles were settled. The list of drugs was then divided amongst the members of the Commission for the purpose of study in collaboration with experts in their own countries.

The advantage of international agreement on these matters is obvious when the difficulties encountered by pharmacists in dispensing prescriptions for travellers from foreign countries and in replenishing the medicine chests of ships at ports of call are considered. Unification would moreover, be of advantage to manufacturers by facilitating international commerce in drugs. Apart from these advantages in practical pharmacy and in trade, international standards would be of assistance in permitting the results of medical treatment in different countries to be accurately compared.

It will be recalled that the Commission was to consist of eight members, one of whom was to be "a member of the Union of Soviet Socialist Republics." The name of this Russian member has not been notified, while, owing to the intensive interim revision programme for the United States Pharmacopœia, Dr. E. Fullerton Cook (chairman of the Committee of Revision), who was invited to join the international body, has expressed doubt whether he will be able to assume the additional duties, despite his known profound interest in the possibilities of international standards. Of the remaining members *THE CHEMIST AND DRUGGIST* is privileged to reproduce portraits and give brief biographical notes.

Professor Hans Thorning Baggesgaard-Rasmussen (usually Professor Baggesgaard) was born on July 8, 1888, at Silkeborg, Denmark. In 1910 he took his Cand. Pharm. (the Danish academic degree for pharmacists). From 1916 to 1922 he was assistant lecturer in the organic chemistry department of the University of Copenhagen. In 1922 he took his degree of Doctor of Philosophy, and in the same year became Professor of Chemistry at the Royal Pharmaceutical College, Copenhagen. The following year he was appointed a member of the Danish Pharmacopœia Commission. Professor Baggesgaard is not new to international pharmaceutical affairs, having

acted as secretary of the Commission des Spécialités under the auspices of the *Fédération Internationale Pharmaceutique*. He has also served as member of a League of Nations commission of experts for the analysis of opium, etc.

Professor R. Eder, Zurich, was born at Bischofzell, Switzerland, on August 8, 1885. He studied at the Universities of Bâle and Geneva and at the Institute of Technology, Zurich, before passing his State examination as pharmacist in 1909. Two years later he took the degree of Doctor of Natural Science, Institute of Technology, Zurich, afterwards undertaking post-graduate work at Erlangen, Germany. He was appointed an assistant at the school of pharmacy, Swiss Federal Institute of Technology, Zurich, in 1912, and was *privat-dozent* (lecturer) from 1915. In 1917 he became Professor of Pharmacognosy, Pharmaceutical Chemistry and Toxicology and Director of the Institute of Pharmacy. Appointed a member of the Commission, 1925, for the revision of the *Pharmacopœia Helvetica Quarta*,

he became, in 1937, a member of the permanent federal Pharmacopœia Commission of Switzerland. Professor Eder's association with international pharmaceutical affairs dates from 1925, when he acted as the delegate of Switzerland to the second International Conference for the Unification of Formulæ of Potent Drugs, Brussels.

Dr. C. H. Hampshire, B.Sc., F.I.C., Ph.C., is a Yorkshireman. His distinguished career began when he won the Jacob Bell scholarship and carried away a number of medals at the Pharmaceutical Society's School. He passed the Minor examination in 1906, the Major in 1907. In 1914 he was appointed pharmacist to the University College Hospital, London. Later he studied medicine, taking his Con-

joint examination in 1925 and graduating as M.B., B.S., London, in 1927. To British pharmacists Dr. Hampshire is perhaps chiefly known for his ten years' work as one of the honorary secretaries of the British Pharmaceutical Conference, followed by his chairmanship of the Conference in the 1933 and 1934 sessions. Many will remember him from a more intimate encounter, for he has served on the Pharmaceutical Society's Board of Examiners. Dr. Hampshire is the present secretary of the British Pharmacopœia Commission, a position he has held since 1929. He is the chairman of the present League Technical Commission.

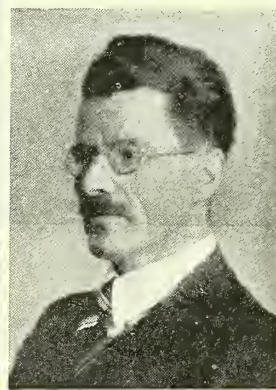
Professor Marc Tiffeneau was born at Mouy, Oise, France, in 1873, and has been Professor of Pharmacology at the Paris Faculty of Medicine for nearly twenty-five years, first as Fellow from 1910 and later as Professor from the year 1926. He was engaged first of all in a pharmaceutical career, which led him to the post of hospital pharmacist at the Hotel Dieu, an



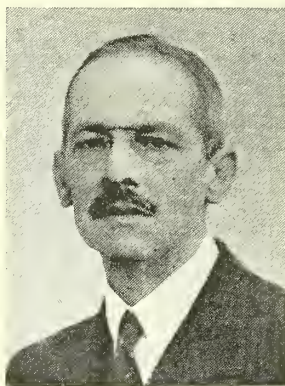
DR. H. BAGGESGAARD.



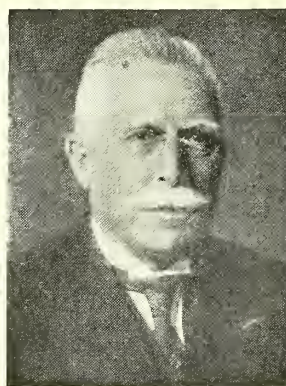
DR. C. H. HAMPSHIRE (Chairman).



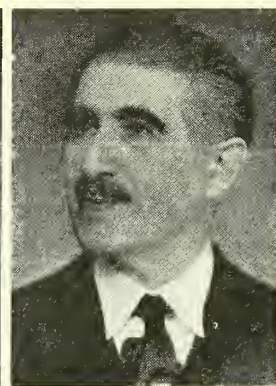
DR. R. EDER



DR. M. TIFFENEAU



DR. L. VAN ITALLIE.



DR. E. V. ZUNZ.

appointment he still holds, although he inclined later towards chemistry and pharmacology. In his first thesis on organic chemistry, which appeared in 1901, M. Tiffeneau dealt with molecular transposition. This was also the principal subject for his thesis for the Doctorat-ès-Sciences which he took in 1907. It remains a main interest in his chemical work. Professor Tiffeneau completed his medical studies, commenced in 1904, worked at the Institut Pasteur from 1906 to 1909 on tetanic toxin and tuberculin, and later at the Faculty of Medicine, where, under the direction of M. Pachon, he was initiated into the technique of pharmacology, becoming a Fellow in pharmacology in 1910. In this subject he applied himself to the study of the inferior homologues of the amines of tyramine and adrenaline, already outlined in his thesis for his medicine degree. In organic chemistry he discovered one of the most curious molecular transpositions, that which allows the passing of the nucleus of cyclohexane to that of cyclopentane, the study of which he has recently resumed. In addition, he has endeavoured to associate chemistry and pharmacology by observing the effect of medicinal substances in the body by methods of analytical chemistry and, further, by studying systematically, through organic synthesis, the relationship between chemical constitution and pharmacodynamic action. The Great War interrupted his researches. In 1924 M. Tiffeneau was appointed Professor at the Faculty of Science (chair of chemistry). Two years later he returned to the Faculty of Medicine as Professor of Pharmacology. His reputation grew abroad. In 1928, in Buenos Aires, he was giving instruction on chemotherapy. In 1931 the League of Nations appointed him as expert before the Conference for the Limitation of Narcotics, and, since 1933, he has been a member of two permanent organisations created or maintained by this Conference: the Committee of Control and the Central Permanent Opium Committee, where his ability, both in chemistry and in pharmacology, is specially appreciated.

Apart from his important work on the nicotine character of the action of pelletierine and musculetropic properties of homo-ephedrine, in pharmacology his two fundamental studies concern the influence of H and OH ions on the actions of medicinal substances and the relations between chemical constitution and pharmacodynamic action. In the first of these studies M. Tiffeneau was able to show that OH ions reinforce accelerator effects on smooth fibres, while H ions reinforce the inhibitor effects on the same fibres as well as depressor effects on the nerve centres. M. Tiffeneau, with his collaborators, M. Orekhoff and Mlle. Jeanne Levy, was able to generalise the fact that under the influence of a radical with strong capacity for affinity a secondary hydroxyl can become less stable than a tertiary. After ten years of research this work was sufficiently co-ordinated in 1931 to allow publication of the findings in which were raised the two great questions which dominate the problem of molecular transpositions: the affinity capacities of various radicals and their migratory aptitudes. These ideas were new. Not only do they explain the mechanism of a great number of reactions previously without interpretation, but they also lead one to anticipate new ones.

Professor L. van Itallie, the Hague, Holland, graduated as a pharmacist in 1886. From 1890-1902 he was municipal pharmacist, Rotterdam; from 1902-1907 Professor at the State veterinary school, Utrecht; and from 1907 to 1936 Professor of Pharmaceutical Chemistry and Toxicology, University of Leiden. Dr. van Itallie took the degree of Philosoph. Doctor, Berne, in 1901, and has received honorary degrees at the hands of the Philadelphia College of Pharmacy and Science and of the Universities of Paris and Liège. He is an honorary member of several Pharmaceutical Societies outside Holland (including the Pharmaceutical Society of Great Britain), a corresponding member of the Paris Academy of Médecine; an honorary member of the Brussels Academy of Medicine; and a Flückiger medallist. From 1899 to 1934 he was a member, and from 1912 to 1934 president, of the Dutch Pharmacopœia Commission. He remains president of the Board of the State Institute for Pharmacological-Therapeutic Research, Holland.

Dr. Edgard Victor Zunz, who was born in 1874 at Charleroi, Belgium, qualified as M.D., Brussels, in 1897. He pursued his researches in physiology and pharmacology at laboratories in Brussels; of biochemistry in Strasburg, France; and of physiology in Berne, Switzerland. From 1900 he was assistant at the pharmacological laboratory, University of Brussels, from 1906 Lecturer in Pharmacology at the same University, Professor and Director of the Laboratory of Pharmacology since

1920. He was a member and vice-president of the Belgian Pharmacopœia Committee, a member and former chairman of the Belgian Academy of Medicine, a foreign member of the Academy of Medicine, Rome, and of the Academy of Sciences, Halle, Germany, a member of the Biochemical Society, London, of the Société de Chimie Biologique, Paris, and of the Biological Societies of Argentina, Italy, Barcelona, Paris and Vienna. His work has had to do especially with the digestion of proteins, the properties of the proteoses, anaphylaxis, blood clotting, blood-sugar regulation, the pancreatic secretion, and hormones. He is the author of several books, including "Notions de Pharmacographie"; "Eléments de Pharmacodynamie Générale"; "Eléments de Pharmacodynamie Spéciale"; and "Le Métabolisme de Base" (with Professor Emile F. Terroine, Strasburg). Dr. Zunz gave lectures as exchange Professor at the University of Aberdeen in 1936.

Insurance Act Dispensing

ENGLAND AND WALES

Sheffield.—Recommendations to withhold £1 is. from the chemists' remuneration have been made by the Pharmaceutical Services Subcommittee in respect of two test cases in which the finding was carelessness in dispensing. In a further case test prescription, the subcommittee recommended that the chemist's explanation be accepted and no further action taken.

Surrey.—Bad handwriting on an Insurance prescription recently caused some confusion. The chemist, "having regard to the handwriting of the doctor," and with a view to assisting the committee, wrote on the script "thumbstall." As thumbstalls are not a Tariff item, the prescriber was informed by the Insurance Committee that sixpence would be recovered from him. The doctor made a claim on the Insurance Committee of £10 is. for "waste of time and annoyance" and £1 is. expenses, stating that what he ordered was not a thumbstall but a throat brush. The Committee replied to the doctor's claim that it was satisfied with the chemist's explanation, and that no further action would be taken.

Worcestershire.—A penalty of £1 has been recommended in respect of a test sample in which acid. hydrobrom. dil. was found to be present to the extent of 72.4 per cent. in excess of the quantity ordered. The chemist had written stating that the dispenser had been with him for twenty-two years, was most reliable and careful, but while making up the prescription had had to leave it several times to attend to the counter and the telephone. He expressed regret. The subcommittee decided that the chemist had not exercised due care; it was stated that the chemist had previously been censured quite recently by the Committee for failing to dispense another prescription.

SCOTLAND

Aberdeen.—The inclusion of juveniles under the National Health Insurance scheme has brought the numbers on the Burgh's list to 1,990 males and 2,156 females.

Inverness.—Mr. James Mackenzie, M.P.S., has been re-appointed vice-chairman of the Burgh Insurance Committee.

Kincardineshire.—Under the National Health Insurance (Juvenile Contributors and Young Persons) Act, a total number of 469 young persons (including 280 boys) in the county have become entitled to medical benefits. Prescriptions dispensed during 1937 totalled 12,455, value £752. The average cost per script was 14.51d.

Lanarkshire.—Two incorrectly dispensed prescriptions were considered at a recent meeting of the Insurance Committee. In the first case an ingredient dispensed fell substantially short of the amount prescribed. The chemist's excuse was that he had considered the amount prescribed was an overdose and had taken it upon himself to reduce it. The Committee were not satisfied with the explanation, but took no action as the chemist was withdrawing from the panel and going out of business. In the second, cotton wool supplied in an unsealed packet had been found lacking in absorbent quality. The Committee agreed that the case would be met by censuring the chemist.

Company News

P.C. means Private Company and R.O. Registered Office

WALHAMS, LTD. (P.C.).—Capital £100. Objects: To manufacture and deal in orthoptic and optical instruments and supplies, etc. W. A. Hammond, 38 High Street, Saffron Walden, Essex, director.

HENRY'S MEDICAL HALL, LTD. (P.C.).—Registered in Dublin. —Capital £250. Objects: To acquire the business of Henry's Medical Hall, The Diamond, Monaghan, now carried on by Mrs. Mary Margaretta Henry.

COLLOIDAL CHEMISTS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, etc. The first directors are to be appointed. Solicitors: McKenna & Co., 31-4 Basinghall Street, E.C.2.

ANDREW KIRK, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in chemicals and chemists' sundries, etc. The first directors are not named. R.O.: 329 High Holborn, W.C.1.

CUTRILIN, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, pharmaceutical products, etc. The first directors are to be appointed. R.O.: 49-51 Bedford Row, W.C.1.

BATHRIX, LTD. (P.C.).—Registered in Edinburgh. —Capital £100. Objects: To carry on the business of chemists and druggists, etc. Mrs. Winifred E. Douglas Ross, 7 Newton Place, Glasgow, director. R.O.: 65 Renfield Street, Glasgow.

R. W. P. PHARMACAL PRODUCTS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of wholesalers and retailers of aspirin tablets, essential oils, drugs, chemicals, etc. Robert W. Phillips, 20 Woburn Square, W.C.1, director.

PERMA PRODUCTS, LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, acids, glues, gums, etc. The first directors are not named. R.O.: 23 College Hill, Cannon Street, E.C.4.

TIMES FOOD PRODUCTS CO., LTD. (P.C.).—Capital £1,000. Objects: To carry on business as manufacturers and dealers in chemicals, medicines, fertilisers, foodstuffs, oils, etc. Samuel Davies, 52 Stamford Hill, N.16, director. Solicitor: Alfred Hurner, 15 Coleman Street, E.C.2.

DERMOVITE, LTD. (P.C.).—Capital £500. Objects: To acquire the formula relating to the manufacture of certain medical preparations in the treatment of the skin, known as "Dermovite," and to make and sell the same, to acquire the registered trade mark No. 581,657 relating to "Dermovite." Emlyn M. Rees (chairman), 49 Maindy Road, Cardiff. R.O.: "Conifers," Manor Way, Whitchurch, Glam.

DYESHA, LTD. (P.C.).—Capital £2,005. Objects: To adopt an agreement with Leo Schlamme for the exclusive right to manufacture and vend a hair dye and the right to use the name Dyesha in connexion therewith, and to carry on the business of manufacturers of and dealers in hair dyes, shampoos, cosmetics, drugs, patent medicines, etc. Leo Schlamme, 175 Cornwall Road, W.11, director. R.O.: 63 Kensington Park Road, W.11.

VIROL, LTD.—Profit for year to March 31, after allowing for N.D.C., of £53,212, a gain of £1,870. Ordinary dividend is again 10 per cent., carry-forward being £36,962, compared with £35,092 last year. It is stated that Ambrosia, in which Virol, Ltd., holds substantial interest, has again had satisfactory year, and that considerable measure of success has attended extension of its trading operations.

A. J. WHITE, LTD.—The directors' report and accounts for the year ended March 31, 1938, shows a net profit of £48,656 4s. 9d., after making provision for income tax and N.D.C., to which is added £40,124 12s. 2d. brought forward from the previous year, making a total of £88,780 16s. 11d. Interim dividend, paid January 1938, £17,500 (5 per cent.), with a final dividend recommended, £26,250 (7½ per cent.), making the total dividend for the year 12½ per cent. Balance carried forward, £45,030 16s. 11d. The directors announce with deep regret the death of Mr. R. Stafford Charles, who

had been a valued member of the board for over thirty-one years. The directors will recommend Mr. Stafford H. Fawell for election to the board at the ensuing meeting to fill the vacancy thus caused. Mr. C. L. Fawell retires by rotation, but, being eligible, offers himself for re-election.

GRIFFITHS HUGHES PROPRIETARIES, LTD.—Profit and loss account covers nine months to March 31, 1938. Hitherto accounts have been presented as at June 30, but board thought that date of annual accounts should correspond with that of operating company so as to avoid delay in submitting results and thus enabling final dividend to be paid earlier. Accounts, however, include dividends from operating company for full year as previously. Other small items of income and administration expenses cover only nine months. Profit now shown is £111,357, compared with £167,576. Final ordinary dividend of 4 per cent. makes total of 6½ per cent. for nine months, against 11 per cent. for previous year. Carried forward £7,234, against £8,065. Operating company's profit for year was £162,196, compared with £234,401. After providing for income-tax and paying dividends amounting to £113,751 (against £170,626), balance of £20,236 is carried forward, compared with £20,791.

Private Arrangement

Michael Kirsch, trading as "Grocers & Chemists Sundries Co.," 1 and 2 Elmer Place, Queen's Road, Southend-on-Sea. The creditors of the above were called together recently at the offices of Messrs. W. H. Cork & Co., accountants, 19 Eastcheap, London, E.C. The statement of affairs showed liabilities of £481 8s. 8d., whilst the net assets were £54 11s. 10d., or a deficiency of £426 16s. 10d. Mr. Norman Cook stated that a full set of books had not been kept and the liabilities in the statement of affairs had been compiled from invoices found on the premises. It was believed that the liabilities would be increased. He added that the case was an unusual one, and at the outset the debtor did not tell the accountants the full story of his trading career. He stated that he took over the business early in the present year, but later admitted that that was incorrect. Subsequently the debtor informed the accountants that he commenced trading on his own account in July of last year. Apparently in February he was in some little difficulty, and he concocted the story that he had bought the business from a Mr. Feron. As a matter of fact, the debtor had been the proprietor of the business for nearly a year. Having regard to all the circumstances, he (Mr. Cork) did not think it was a case which should be dealt with under a deed of assignment. An investigation in bankruptcy was desirable. A creditor stated that he had received a cheque in payment of goods supplied to the debtor which was signed "H. Feron." Mr. Norman Cork: The debtor has admitted to me that he has signed cheques in the name of H. Feron. The debtor was called into the room, and in answer to questions stated that he commenced the business in partnership with a Mr. Feron, but the latter retired after a few months. Mr. Norman Cork: Your partner retired, you adopted his name, took over his banking account and continued to trade? The debtor: Yes. A creditor: You told me in April that Mr. Feron was the owner of the business. As a matter of fact, you were the owner? The debtor: Yes. In answer to further questions by Mr. Norman Cork, the debtor stated that all the cheques he had given for goods supplied he had signed in the name of "H. Feron." It was decided that the estate should be administered in bankruptcy.

Gazette

Receiving Order and Adjudication

WILLOUGHBY, T. M., 58 Dover Road East, Northfleet, Kent, chemist.

Registration of Trade Marks in Japan

THE Japanese Industrial Property legislation, promulgated on April 29, 1921, provides for protection of patents, designs and trade marks. Prior to that date Japan's record of trade mark infringements was a particularly bad one. Experience since that date suggests that there are still many pitfalls for foreign manufacturing interests desirous of protecting their trade emblems, although many of the worst imitations date back to the pre-protection period. In the seventeen years that have elapsed since the passing of this legislation, British firms have lagged behind their American and German competitors in having trade marks registered at the Japanese Patent Office. Up to 1934, according to an analytical report then issued by the Patent Office, only 140 out of a total of 25,484 trade mark applications were by British firms. The number of separate trade marks submitted for registration was even smaller, for this figure includes associated trade marks.

Legalised Infringements

Trouble often develops because the foreign firm registering a trade mark believes that it is thereby fully protected. A hypothetical example may be quoted. A British perfumery and soap manufacturer sent a supply of samples of a new brand of products to a Japanese importer to receive his opinion on its market possibilities in the Japanese Empire. No answer was forthcoming for some time, and the firm instituted inquiries, which showed that the importer had registered the trade mark in his own name and was preparing to manufacture the brand on his own account. In an invalidation trial the British firm would be defeated on the strength of a paragraph in the trade mark law which reserves the right to use a given mark or name to "the first user in the Empire." This being, for all practical purposes, the importer who had distributed the samples and catalogues to the trade, the suit would fail. It is therefore never advisable to send samples for distribution to Japan without simultaneously depositing the marks, packages, bottle design, etc., at the Japanese Patent Office. The official fee for acceptance of a trade mark in a single class is seven yen, and, if it is registered, another twenty yen is due to cover annuities for a duration of twenty years, but registration usually involves a somewhat larger amount. The work may be entrusted to a Japanese registered patent attorney or to a British patent agent. Manufacturers of proprietary articles are sometimes tempted to feel secure because they market their goods under their family name. Yet such names are frequently adopted by the Japanese to serve as trade marks, and court decisions are always against the foreign plaintiff unless the full company name (X & Son, Ltd., etc.) be incorporated in the Japanese imitation. A recent victim of this decision was the German perfumery firm of S—, G.m.b.H. This firm spent large sums in developing the Japanese market for its products, which were handled by an Osaka firm. Suddenly the orders stopped. Inquiry revealed that a Japanese firm had registered the trade marks "S—" (not S— G.m.b.H.) in its own name and started the manufacture of imitations. Registration at the outset would have saved this infringement.

Classification Pitfalls

Another pitfall is the classification system as applied to the drug trade. There are five classes: chemicals, pharmaceuticals and medical accessories; painter's colours, dyes, coatings, and paints; perfumery and toilet articles; soap; and tooth powders, lotions and materials for cleaning not otherwise provided for. Protection is granted strictly within the class to which the article belongs, and registration should therefore be made in all five classes. Otherwise it may happen that a Japanese firm, taking advantage of this provision, manufactures an article of another class under the same brand. For instance, if the original registration has been taken out on soap (Class 4), an identical trade mark may be granted to another manufacturer for washing-powder (Class 5) or perfume (Class 3). The damage to which the foreign registrant is liable is threefold. The more he invests in publicity for his own article, the more free advertising goes to the Japanese competitor; possibly inferior quality of the competitive product reflects on the original article; and the manufacturer of the soap is debarred from marketing in Japan a

soap powder or perfume under his own trade mark. It is always advisable to offer in Japan at least one article in each class, for registration without "working" is not admitted, but "working" may be conveniently effected by placing one package of each article in the window of a Japanese drug store.

Trade Marks in Invaded Chinese Territory

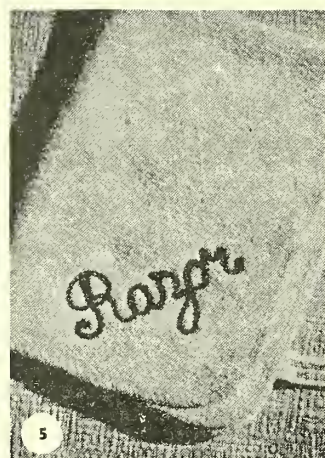
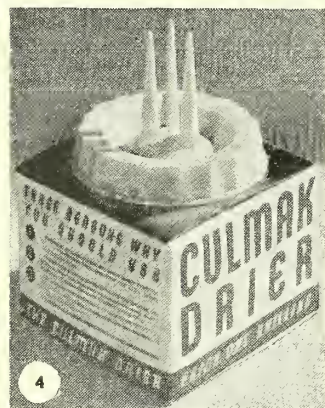
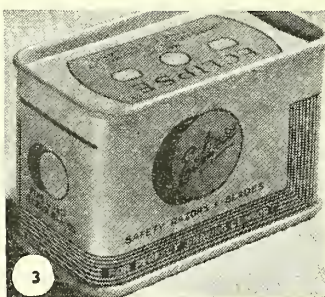
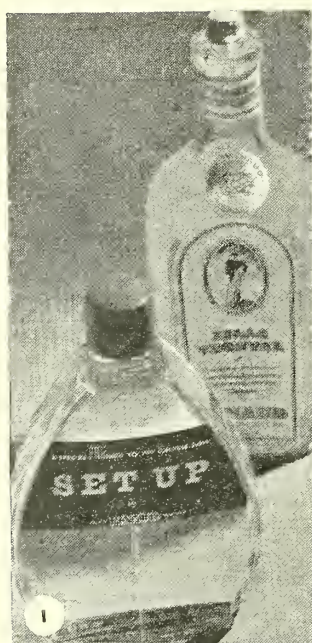
New problems have arisen in connexion with the current Sino-Japanese hostilities. British firms have been generally less interested in the Japanese market than in exports to China. This accounts for the larger number of British-owned trade marks on the registers of the Trade Mark Bureau of the Nanking Government. With this Government out of control and the Shanghai Maritime Customs in the hands of the Japanese, foreign interests in China are in doubt as to the fate of their trade mark rights. It is considered probable that the new regimes will not recognise established trade mark rights, for it will be recalled that Manchukuo for fully three years after its establishment was without any trade mark law, much to the disadvantage of foreign interests operating there.

Dangerous Drugs in India

THE extent of the harm done by the manufacture and sale of drugs of a spurious character in India has been widely appreciated since the Chopra Committee exposed the menace and recommended standardised control seven years ago. Merely the fringe of the problem is touched by the Bill placed before the Central Assembly and referred to a Select Committee. Designed to control imports by licence under the direction of official analysts, this measure deals with only one side of the problem, namely that coming within the direct purview of the Central Government in India. For this reason it is not only inadequate in itself, but by isolated application might aggravate the internal menace of manufacture and distribution of adulterated products. There is no use in stopping the import of adulterated drugs if their production and sale are to continue unhampered inside India. To deal with the internal problem is the duty of Provincial Governments, who may either take individual steps or agree to enforce a comprehensive and uniform enactment by the Central Legislature. It is understood that it is in the hope of obtaining more effective action on these lines that the Central Select Committee on drug imports has adjourned *sine die*. There is no question of disagreement on principle although, curiously enough, some feel that the measure might penalise the honest importer in the interest of unscrupulous indigenous makers, while others fear that one-sided control would give a guarantee of quality to the imported article to the detriment of the domestic product. Actually it is doubtful whether supervision of imports could touch the major menace, which is mainly cheap bazaar specifics of the quack variety. The Government of India have now agreed to obtain the views of the provinces. The Provincial Ministries must be concerned to prevent the potential growth of the injurious drug traffic. From every point of view a consolidated central measure seems advisable. Apart from ensuring uniformity of standards—vitally necessary if the efforts of one province are not to be nullified by the slackness of its neighbour—the essential machinery could be more effectively and economically organised on central lines. Proper control, however, can have little beneficial effect without the willing co-operation of the Indian States, in many of which a flourishing trade in medicinal and drug preparations is carried on. Here, again, the Central Government is in a position to approach the Darbars on an all-India basis, and a preliminary approach to the States seems a desirable parallel to provincial consultations. There is no apparent desire on the part of the Select Committee to encourage further procrastination. On the contrary, the idea is to expedite and ensure, if possible, full and effective control of a trade which has been so grossly exploited in the past.

A FURTHER section of the second edition of Tschirch's "Handbuch der Pharmakognosie" which has recently been issued includes pp. 225-320, and may be obtained from Verlag von Bernhard Tauchnitz, Leipzig.

Before and After Shaving



1. Lilac Vegetal after-shave lotion; and Set-up pre-shave application (Pinaud, Ltd.). 2. Textola After-Shave cream (Tbos. Christy & Co., Ltd.). Kuticool after-shave cream (Claughtons (Leeds), Ltd.). Aqua Velva after-shave lotion (Scott & Bowne, Ltd.). 3. Eclipse holder for used blades (Jas. Neill & Co. (Sheffield), Ltd.). 4. Culmak brush drier (Culmak Shaving Brush Works). 5. Dawn razor towel (Jacquesil Fabrics, Ltd.). 6. Dry-a-blade blade drier (Delarelle, Ltd.). Bland's razor bath (Scott & Bowne, Ltd.). Hulse's razor-cleaning powder (F. Hulse & Co., Ltd.).

THE limits of what may be sold by chemists to those who shave are by no means exhausted when razor, soap or cream, and brush have been supplied. Often the possibilities of some of these adjuncts are overlooked for lack of a convenient guide to what is available, and it is the purpose of the present review to present them in a suitable form for easy reference.

LOTIONS.—An after-shave lotion that commands a large sale in the United States and a growing one in this country is Lilac Vegetal (1), manufactured by Pinaud, Ltd., London. The same makers issue a liquid preparation Set-Up (1) for applying to the face, particularly before using an electric shaver, though also recommended to those using an open or safety razor. An After-Shave cream (2) prepared by the Page-Barker Company under the name Textola is distributed by Thomas Christy & Co., Ltd., London. Kuticool, another after-shave preparation (2) in the form of a thin cream with emollient properties, is offered in bottles of two sizes by Claughtons (Leeds), Ltd., Leeds. The makers advance the suggestion that persons of specially tender complexion may find it advantageous to sprinkle a few drops of this preparation into the lather on the shaving brush to prevent soreness. One of the best-known after-shave lotions is Williams' Aqua Velva (2), which is applied to the skin while still wet. This is marketed by Scott & Bowne, Ltd., London. Two sizes are available.

BLADE HOLDERS.—To put used blades in a special container makes not only for tidiness in the bathroom but also for safety, especially where there are children about. A container (3), intended for Eclipse blades but suitable for any three-hole brand, is supplied by James Neill & Co., Ltd., Sheffield.

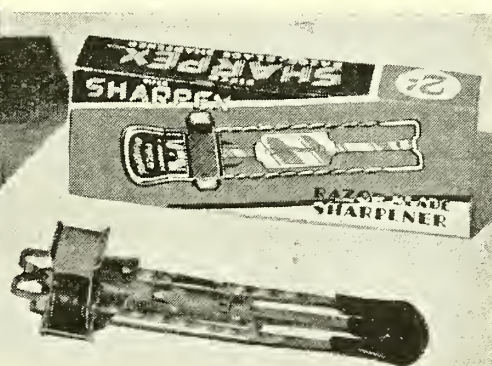
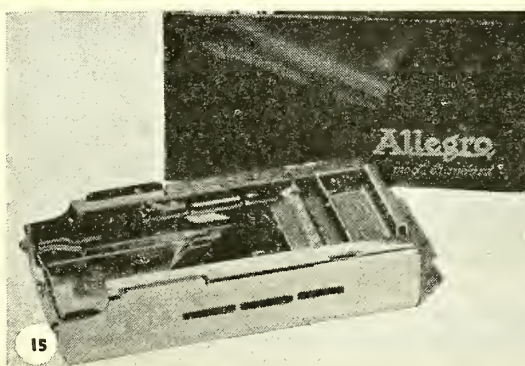
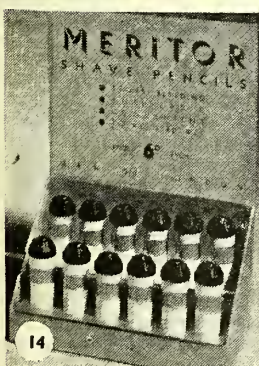
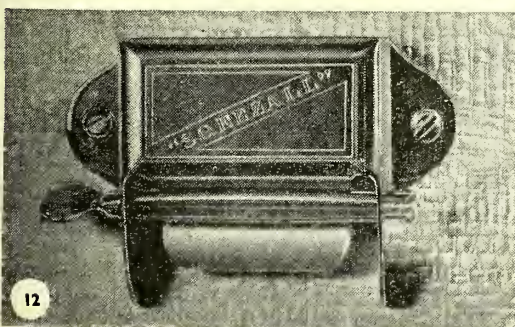
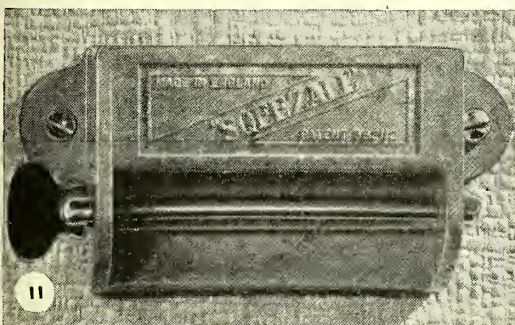
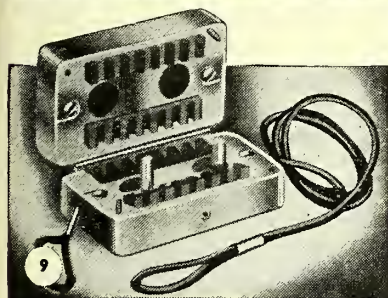
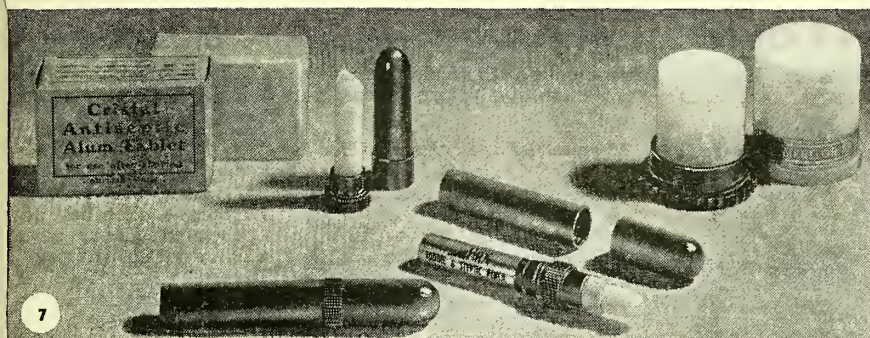
BRUSH DRIERS.—A frequent cause of deterioration in shaving brushes is that the water on the bristles is allowed to drain into the handle instead of away from it. To obviate this, the Culmak brush-drying stand (4), consisting of three prongs arising from a small tray, is marketed by Culmak, London. A similar consideration has led G. B. Kent & Sons, Ltd., London, to offer a special outfit (13) which includes both shaving brush and self-draining holder.

RAZOR TOWELS.—Customers for razor towels are to be looked for among housewives whose Turkish hand-towels have suffered severely at the hands of their husbands' razor blades. The Dawn razor wipers (5) issued by Jacquesil Fabrics, Ltd., Manchester, are of a most suitable size, and are specially marked "Razor" as a constant reminder of their function.

BLADE DRIERS.—A time- and labour-saving device of extreme simplicity is the Dry-a-blade (6), a hinged metal case with leaves of blotting paper, between which the wet blade is placed and the "book" closed. Originals are manufactured by Delarelle, Ltd., London, and supplied in display cartons; refills are available in envelopes containing six refills.

RAZOR BATHS.—Bland's razor bath (6) for use with Bland's hygienic solution provides a method of protecting the cutting edge of blades that may still hold moisture even after wiping. The razor is simply loosened, rinsed and inserted (without wiping) in the bath. Both products are distributed by Scott & Bowne, Ltd., London. A powder for preparing a solution





for the same purpose is issued in envelopes (6) by T. Hulse & Co., Ltd., Woodlesford, Leeds.

STYPTICS, ETC.—Cristal alum blocks (7), wrapped in grease-proof paper in blue carton, are supplied by M. J. Fecher, Ltd., London, who also market "finger-tip" pattern styptic pencils in bakelite cases (7) (display outers available) and refillable iodine "pens" (10) containing one drachm of iodine or colourless iodine solution in screw-topped metal cases. An alum block shaped like a squat shaving stick (7) is put up in black and white resinoid containers under the name Meritor Antiseptic Shaving Block by S. Maw, Son & Sons, Ltd., London. The same makers offer Meritor Shave Pencils (14), similarly presented. Portia styptic pencils (8) in coloured resinoid containers are supplied in display outers as illustrated or on cards by Solport Bros., Ltd., London. A combined iodine pen and styptic pencil (7) is offered, either in counter-display boxes or on showcards, by Edward Hack, Ltd., London.

BLADE SHARPENERS.—The life of most razor blades can be lengthened by sharpening. The Sirama sharpener (9), manufactured by Siemens-Schuckert (Great Britain), Ltd., London, sharpens all four edges in one operation. It takes all makes of three-hole or slotted blade. The Allegro precision honer and stropper (15), marketed by Condrup, Ltd., London, has a three-piece block with two surfaces for honing and one for stropping. This imparts perfect set to the blade. The machine is offered in four models according to the type of blade used, and the makers claim that use of the Allegro makes a single blade last a year or more. A third, simple and inexpensive sharpener for any blade of the original Gillette pattern is the Pifco Sharpex (15), manufactured by Provincial Incandescent Fittings Co., Ltd., Manchester.

TUBE SQUEEZERS.—Users of shaving creams can often be interested in a wall fixture (11 and 12) by means of which the desired quantity of cream can be delivered and the tube uniformly squeezed until the end. The Squeezall tube squeezers are issued in plated resinoid and metal (above) models by Enoch Pinson, Ltd., Willenhall, Staffs.

7. Cristal alum tablet: "finger-tip" styptic pencil (M. J. Fecher, Ltd.). Hax combined iodine pen and styptic pencil (Edward Hack, Ltd.). Meritor alum block (S. Maw, Son & Sons, Ltd.). 8. Portia styptic pencil (Solport Bros., Ltd.). 9. Sirama blade sharpener (Siemens-Schuckert (Great Britain), Ltd.). 10. Fecher's refillable iodine pen. 11 and 12. Squeezall tube squeezer (Enoch Pinson, Ltd.). 13. White Knight self-draining brush and holder (G. B. Kent & Sons, Ltd.). 14. Meritor shave pencils (Maw). 15. Allegro stropping machine (Condrup, Ltd.). Sharpex blade sharpener (Pifco, Ltd.).

Trade Notes

FIVE-DAY WEEK.—Bovril, Ltd., 152 Old Street, London, E.C.1, will be closed on Saturdays from June 18 next until further notice.

4711 EAU-DE-COLOGNE.—The offices and warehouses at Slough and the showrooms at 2 Woodstock Street, W.1, of the R. J. Reuter Co., Ltd., Bedford Avenue, Slough, Bucks, will be closed on June 18 for the annual staff outing.

JERSEY LILY BEAUTY LOTION, which is advertised in this issue, is brought to the notice of the public by various methods of propaganda. Full details of trade terms, etc., may be obtained from Jersey Chemical Co., Jersey, Channel Islands.

CACHETS FAIVRE.—Wilcox, Jozeau & Co., Ltd., North Circular Road, Cricklewood, London, N.W.2, ask us to point out that the formula of Cachets Faivre does not contain amidopyrin, and their sale is not restricted in any way by the Pharmacy and Poisons Act.

SELO GASLIGHT PAPER.—We have received from Ilford, Ltd., Ilford, a copy of their new Selo gaslight paper booklet which has just been issued. This booklet describes the method of procedure in printing on Selo paper, and gives an informative series of pictures on how to suit a paper to the negative.

SOAP NOVELTY.—As Vinolia soap is used exclusively at the Empire Exhibition, Glasgow, The Vinolia Co., Ltd., Bebington, Cheshire, have struck an Empire Exhibition medal from the soap. On one side it carries the lion emblem of the Empire Exhibition, 1938, and on the reverse side the statement appears "Made from Vinolia soap for the Empire Exhibition,



1938." Owing to the high degree of pressure used, the medal-lion is economical in use, and can be washed down to the finest wafer. Messrs. Vinolia are also providing an Exhibition casket containing a tube of Lypsyl, guest size of Vinolia soap, together with this Empire medal. This composite pack is being supplied to the trade at less than cost, and a specimen box together with terms will be sent on request.

NON-DRIP BOTTLE.—With reference to the note on non-drip bottles which appeared on this page last week (p. 672), we are asked to point out that these bottles are also manufactured by the other licensees: Beatson, Clark & Co., Ltd., Rotherham Glass Works, Rotherham, and Davey & Moore, Blundell Street, Caledonian Road, London, N.7.

SALESMEN CONTEST.—A. S. Hinds, Ltd., makers of Hind's honey and almond cream, Raynes Park, London, S.W.20, have arranged a salesmen contest for their new product, Hind's face powder, the first prize in which is a week-end trip to the Glasgow Exhibition for the salesman and his wife, with all expenses paid by the company.

GLUCOSE-D BONUS OFFER.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce a bonus month of Glucose-D which begins on June 20 until July 18. This offer is timed specially to enable chemists to buy Glucose-D on the best terms for the holiday season. A series of new advertising material stressing the theme of Glucose-D for energy has been introduced and should be of assistance in sales promotion.

EPSOTABS BONUS PARCELS.—J. Gaw & Co., 59-60 Chancery Lane, London, W.C.2, announce that Epsotabs sugar-coated Epsom salts tablets are available in three sizes, and they are sampling every home in Great Britain and backing up this

distribution with local advertising. Special introductory bonus parcels are available, particulars of which may be obtained on request.

HAY-FEVER TREATMENT.—The Anglo-French Drug Co., Ltd., 11 Guilford Street, London, W.C.1, issue several products for the treatment of hay fever. These are Anaquintine, a solution of ephedrine, thymoform, menthol and benzaldehyde in a vegetable oil presented in a bottle fitted with a patent drop-counting instillator; Emge (Lumiere), which designates magnesium hyposulphite in ampoules for intramuscular injection and in tablets for oral administration. This product is a non-specific desensitiser. Kinectine, a combination of hectine and ephedrine in tablet form for oral administration; Orargol, which is an electrically prepared gold-silver colloid, is stated to possess a highly anti-infectious action; it is supplied in an outfit for administration as a nasal douche in hay fever, coryza, etc.

NEW HORMONE PREPARATIONS.—The Roussel Laboratories, Ltd., 36 Cavendish Square, London, W.1, are able to supply the new ovarian hormone preparations under the trade name "gynosteryl" brand oestradiol, strength 1/40 mgm. in boxes of 40, and sedo-gynosteryl in phials of 10 c.c., each containing 1 mgm. of oestradiol. Other products are benzo-gynosteryl, oestradiol benzoate, in three strengths, full details of which were given in the advertisement pages, C. & D., June 4. Other hormone preparations are hemostyl and angioxyl, further information of which may be obtained on application from The Antigen Laboratories, 95 Great Portland Street, London, W.1, who are sole distributors for U.K. and Eire.

Showcards and Catalogues

FYNNON SALT.—Macleans, Ltd., Great West Road, Brentford, Middlesex, have introduced a new colourful showcard for Fynnon salt suggested for use in slimming treatment. Press and radio advertising keeps this product well before the public eye.

CATALOGUE of proprietaries, druggists' sundries, etc., for 1938-39 has just been issued by Sangers, Ltd., 258 Euston Road, London, N.W.1. This catalogue, which is thumb-indexed in five sections for ready reference, contains a complete list of the products handled by Messrs. Sangers.

HENRY TETLOW CO., LTD., 61 Eagle Street, London, W.C.1, have introduced a new turtle oil cream showcard which is intended to carry the three smaller sizes of jars. Five sizes altogether are available. Bonus terms are allowed for window display, details of which may be obtained on application.

PRICE LIST.—We have received from May & Baker, Ltd., Dagenham, Essex, their April 1938 edition of their price list of chemicals and pharmaceutical specialities which carries a specially compiled list of synonyms and trade names. The list consists of 300 pages and is thumb-indexed.

BRILLIANT SNAPSHOTS.—An attractive showcard directing attention to the value of Nuro all-British film in obtaining brilliant snapshots in sunny or cloudy conditions have been issued by Nuro (Biggleswade), Ltd., Biggleswade, Herts. This showcard, which is printed in colour, may be obtained on application.

B.D.H. PRICE CATALOGUE.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have issued the June volume of the price catalogue of B.D.H. laboratory, chemicals and testing outfits. A considerable number of substances have been added to the present edition of the B.D.H. catalogue of laboratory chemicals, and there is a new testing outfit described as "All Purposes Lovibond Comparator."

BEACH SUNTAN LOTION.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have sent us specimens of two of their new showcards printed in colour. They are of two sizes, the larger one being intended for use in window displays, and the smaller one is primarily intended for the counter. Beach lotion is issued in bottles of two sizes, and we are informed that this product was much in demand last year.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1938, p. 302.

(From "The Trade Marks Journal," May 25, 1938)

- "IMPRUDENCE"; for perfumes (48). By Maurice Blanchet Parfums de Luxe, 21 Rue Pierre Dupont, Suresnes (Seine), France. 583,431.
- "DERMLO"; for all goods excluding soap (48). By The Green Circle Products, Ltd., Alpine Street, Old Basford, Nottingham. 584,402. (Associated.)
- "RESCA"; for all goods (48). By R. Hovenden & Sons, Ltd., 29 Berners Street, London, W.1. 584,456.
- "SEEFAX"; for toilet preparations for the hair (48). By Seefax, Ltd., 67 Princess Street, Manchester. 584,549.
- "EXOTA"; for perfumery (48). By Anphyl Products, 1 South Street, Rochdale, Lancs. 584,757.
- "DRENE" and "DRENE COMPLETE" (word "Complete" disclaimed); for toilet preparations for the hair (48). By Thomas Hedley & Co., Ltd., Phoenix Buildings, Collingwood Street, Newcastle-on-Tyne. 584,912/948. (Associated.)
- "CUPAL SOOTHAN" (word "Soothan" disclaimed); for non-medicated toilet preparations for the skin (48). By Cupal, Ltd., Phoenix Mill, King Street Bridge, Blackburn. 585,095. (Associated.)

APPLICATION AMENDMENTS

The specification for "TAKEDA" in Class 3, No. 579,378, by Kabushiki-Kaisha Takeda Chobei Shoten, has been amended to "medicinal chemicals, excluding digestive ferments or medicines for the treatment of indigestion and similar disorders."

The specification for "INO" in Class 2, No. 578,343, by Gerard Bros., Ltd., has been amended to "disinfectant insecticidal soap for veterinary use."

(From "The Trade Marks Journal," June 1, 1938)

- "DRYFLEX"; for photographic chemicals, etc. (1). By Drynamels, Ltd., 92 Rocky Lane, Aston, Birmingham. 583,632.
- "BO'SUN"; for all goods (1). By Gross, Sherwood & Heald, Ltd., Jenkins Lane, Barking, Essex. 585,469.
- "OXORAN"; for agricultural or horticultural chemicals (2). By Imperial Chemical Industries, Ltd., Millbank, London, S.W.1. 584,267. (Associated.)
- "J. DONAGHY STABLE BALM" signature (words "stable balm" disclaimed); for medicated veterinary preparations (2). By Donaghy Chemist, Church Street, Ballymoney, Northern Ireland. 585,096.
- "ISEDIN"; for medicinal chemicals (3). By Eli Lilly & Co., 740 South Alabama Street, Indianapolis, Indiana, U.S.A. 580,416.
- "CARIPEPTIC"; for medicinal tablets or liquid for digestive disorders (3). By The Upjohn Co., 301 Henrietta Street, Kalamazoo, Michigan, U.S.A. 580,704.
- "ARROW EMULSION"; for medicated emulsions for the feet not containing soap or glycerin (3). By Parfa Parfumerie Und Kosmetik A.G., Mythenstrasse 24, Zurich, Switzerland. 582,428.
- "ANTIDAND"; for medicated preparations for the hair (3). By F. W. Rauth, 83 Great Portland Street, London, W.1. 583,649.
- "ROUBONS"; for medicinal chemicals (3). By D. L. Byrne, 7 Divis Street, Belfast, Northern Ireland. 583,764.
- "SANOSEAL"; for medicated dressings (3). By G. E. Goodall, 74 Great Horton Road, Bradford, Yorks. 584,170.
- "HOPALONG"; for medicinal chemicals (3). By Leicesters (Burslem), Ltd., Murhall Street, Burslem, Stoke-on-Trent. 584,393.
- "ANDREX"; for medicated toilet paper, etc. (3). By St. Andrew Mills, Ltd., St. Andrew Road, London, E.17. 584,911. (Associated.)
- "HEADSTRONG"; for medicinal chemicals (3). "ROCK A BYE"; for perfumery (48). By Edward Hack, 73 High Holborn, London, W.C.1. 585,142/433.
- "EPKE"; for medicated preparations for corns (3). By Chambers John Peek, 250 Eastern Road, Brighton, Sussex. 585,155.
- "VITA MIC"; for all goods (3). By Tokalon, Ltd., Chase Road, London, N.W.10. 585,157. (Associated.)
- "BIOMETICA"; for all goods (3). "KAYNO"; for all goods (48). By Schering, Ltd., 185 High Holborn, London, W.C.1. 585,170/1. (Associated.)
- "TUYOX" for medicinal chemicals (3). By Joseph Poulson, 329 County Chambers, Corporation Street, Birmingham, 2. 585,398.
- "NUTAC" design; for belts for supporting catamenial bandages, etc. (11). By W. J. Adams & Co., Ltd., 81 Fountain Street, Manchester. 585,006. (Associated.)
- "MINIPRINT"; for photographs (39). By H. C. Engert, 1 Odeon Parade, Kenton, Harrow. 585,124.

Births

FROST.—On June 12, the wife of John Frost, M.P.S., Walmley Pharmacy, Sutton Coldfield, of a daughter.

LING.—On June 11, Edythe (née Lewis), the wife of Ralph E. Rowland Ling, M.P.S., North Walsham, of a son.

Marriages

BARKER—SPARROW.—At the Parish Church, Fen Ditton, Cambridge, on June 7, George Bernard Barker, M.P.S., Huntingdon, to Vera Sparrow.

TREWIN—MELHUISE.—At St. Cyprian's Church, Clarence Gate Gardens, London, N.W.1, on June 11, Frederick Thomas Trewin, to Betty, daughter of Mr. A. R. Melhuish, Ph.C., a past-president of the Pharmaceutical Society.

Deaths

DAWSON.—At 57 West End Avenue, Harrogate, on June 13, Mr. John Mark Dawson, M.P.S. Mr. Dawson passed the Pharmaceutical Society's Minor examination in 1899.

FOSTER.—In New York, on June 1, Mr. Macomb G. Foster, vice-president of Fairchild Brothers & Foster, New York and London. Mr. Foster became a partner in the firm in 1881. He visited his office on the day of his death, apparently well, but had a heart attack in the afternoon, from which he did not rally.

LUNAN.—At a nursing home, Edinburgh, on June 10, Sarah Jane Milne, widow of George Lunan, Ph.C., F.C.S., 20 Queensferry Street, Edinburgh.

Personalities

MR. HARRY MARTIN, M.P.S., is retiring from business after forty-two years in the drug trade, nearly twenty-three of which have been spent on the staff of The British Drug Houses, Ltd. He qualified in 1901, and since has devoted a considerable amount of his time and energies to pharmaceutical affairs. When he left Liverpool in 1907, where he was a director of Symes & Co., Ltd., he had already distinguished himself as joint secretary to the Liverpool Chemists' Association, and his services were acknowledged by a complimentary dinner. After some experience as a representative in America Mr. Martin joined the B.D.H. In 1913 he was an active member of the local committee of the British Pharmaceutical Conference at its jubilee meeting in London. He was elected president of the Western Pharmaceutical Association in 1923, and in the following year was president of the School of Pharmacy Students' Association. His present address is 8 Highbury Grove, London, N.5.



MR. H. MARTIN, M.P.S.

The wedding of the youngest daughter of Mr. and Mrs. A. R. Melhuish (above) brought together at the Mostyn Hotel, Portman Square, London, W.1, on June 11, a gathering of about a hundred guests, including several known to pharmacy. The appropriate toasts were proposed by Mr. Bernard Wilkinson, Ph.C., and by Mr. John Keall—an old colleague of Mr. Melhuish on the Pharmaceutical Council. The company also included another former Council colleague, Mr. F. E. Bilson, of Bournemouth, Mrs. Wilkinson, Mrs. Keall, Mrs. Perrett and Mr. and Mrs. William Chalmers. Among the numerous congratulatory messages received were cablegrams from Mr. Melhuish's pharmacist daughter, Joan (now married and living in Sumatra), and from Mr. and Mrs. C. A. Noble, at present touring in Canada and the United States of America.



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THE CHEMIST AND DRUGGIST

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What's in a Name?

IN the "Journal of the American Medical Association," June 4, p. 1942, there is an interesting report by the Bureau of Investigation which warrants more than passing attention. It refers to the tendency of manufacturers of proprietary medicines to change the ingredients of their product without making any announcement to the public. This observation explains what may be termed the slogan which opens the article, namely: "When one buys a 'patent medicine,' one buys a name and not a thing. The thing may change overnight, but the name, like Tennyson's brook, goes on forever." The proprietary medicine maker, it is said, builds up a proprietary value not in the medicament he issues but in the trade mark name that he gives to the product. This report is inspired by the discovery of the toxic effect of amidopyrin in medicaments which were freely prescribed by the public themselves in self-medication. Amidopyrin is now recognised to be definitely toxic in certain conditions and has been responsible for a number of cases of deaths from agranulocytosis. According to this report, in the "J.A.M.A.," August 10, 1912, a comment in regard to pyramidon was made as follows: Now that pyramidon is being used as a "patent" medicine, it is probable that its toxicology will become better known. The prophecy has long since come true. Yet the next quotation is from "New and Non-Official Remedies," 1938, twenty-six years later, when the toxic nature of amidopyrin is commented upon.

The views of the medical profession in America are not quite in harmony with those held by medical practitioners in this country. Undoubtedly the advertising of proprietary medicines in America is at a less advanced stage than in Great Britain, where there is a tendency for these preparations to be more carefully advertised and less flamboyant claims made for their efficacy. We must anticipate some change in the law in this country in regard to the taxation

of proprietary articles; this was foreshadowed in the Budget Speech in April, but despite the long-continued attacks on proprietary medicines made by the medical profession in this country, the industry has suffered little or no harm. The most recent authoritative comment on "patent" medicines was made by a well-known professor of pharmacology, who presented a case for the suppression of useless and harmful remedies. It must frankly be stated that the medical profession is not wholly free from succumbing to the skilful presentation of claims on behalf of proprietary medicines. Indeed, so far as many ethical preparations are concerned, in which the formula is divulged, there is no indication as to where the formula originated, and clinical reports must, with few exceptions, be spasmodic and indefinite. The real clinical try-out of all proprietary medicines, whether the formula is secret or whether they are ethical products, must in the end depend entirely upon the general practitioner. In ordering ethical products, with the formula disclosed, the physician is undoubtedly prescribing a name, for a comparable preparation may be issued with six different names by six firms, and it is for the doctor's final decision to select which manufacturer's product he will prescribe. The whole attitude, not only of the public but also of the medical profession, has changed within one or two decades. The physician is guided in his choice largely by the reputation of the manufacturer and by the method adopted in advertising the product. Extravagant claims may not be accepted by the medical profession in general, but it is hard to believe that they are accepted as readily to-day as they once were by the general public. The brand name of a product is undoubtedly the guarantee for the purchasing public, whether they be laymen or members of the medical profession, and so far as this aspect is concerned, whatever view one may take in regard to the medicine itself, the prescriber does in effect order a name for his patient.

To revert to the actual report on which this comment is based, the question is asked: When will public opinion demand a national law which will require manufacturers of "patent medicines to declare the names and amounts of all drugs in their mixtures for which they make therapeutic claims?" In this country, we are already in advance of America in this direction; the majority of proprietary medicines on the market to-day do, in fact, disclose formulas with quantities and claim no proprietary rights. The appeal to the public is based on the brand name. It must be added, however, that this change in proprietary medicine advertising has been brought about, not so much perhaps because of the desire to surrender such information, but to circumvent medicine-stamp duty.

Grasse Products

FROM the reports to hand it is evident that Grasse distillers are having to contend with difficult conditions this season. In the case of neroli oil, consumption during the past few years appears to have gradually declined. The shrinkage in world demand seems to have been due to the cost of genuine oil and to world import restrictions, particularly in Central European countries. There has been no apparent weakness in the market due to a large carry-over of stocks. This product is liable to deteriorate in storage after twelve months. The policy of the distillers seems to have been to produce no more oil than was necessary to meet world requirements each season and to offer it at the cheapest prices prevailing conditions permitted. Even so, com-

petitive products in the form of synthetics and sophisticated oils appear to have encroached on the market to some extent.

Conditions this season have been unusually adverse. The flower gathering season opened and for the most part continued wet and cold, and the quality of raw material brought in suffered accordingly. Distillers have had to pay 6 francs 75 cents per kilog. for the flowers; the previous season the price was fixed at 5 francs 50 cents per kilog. The yield of oil per 1,000 kilog. of flowers is reported to have been poor, ranging from 700 to 900 grams, with an average of about 850 grams, which is well below normal. In order to obtain a good yield the flowers have to be picked just at the right stage of blooming; if gathered in the form of buds or when fully opened the yield of oil is liable to be affected as regards quantity and to some extent in quality. Flowers gathered wet are also inferior from the distillers' point of view for the same reasons. There has, of course, been no shortage of flowers, but the distillers are reported to have limited their purchases. "The Nerolium," the co-operative group of flower growers, are stated not to have distilled oil this season. An early report from Grasse estimated that the crop of flowers that would be gathered for distillation at about 1,100,000 kilog., and of this quantity, after allowing for the production of absolutes and concretes, some 700,000 kilog. of flowers would be available, which, on average, was expected to give a crop of oil of approximately 700 kilog. It is now anticipated that the season's production will not reach this quantity.

On the subject of cost of the finished product, partly on account of the higher cost of flowers and, to some extent, because of the poor yield of oil this season, the cost to distillers will, it is stated, necessitate a sales price for genuine oil of between 8,500 and 9,000 francs per kilog., which, in sterling, is equivalent to about 27s. 6d. to 28s. 6d. per oz. The works' expenses have increased considerably with dearer labour and shorter working hours. It is possible the high cost of this season's oil will lead to some sophisticated oils being offered at cheaper prices. The usual adulterants are synthetics, petitgrain, bergamot and bois de rose. Owing to the large stocks of orange flower water on hand there is likely to be available a limited quantity of absolute made from this by-product; it is described as "Absolute eau de fleur d'oranger" and, it is stated, it is considered to be a very satisfactory article for the price asked for it. It is obtained by treating orange flower water in exactly the same manner as are the flowers in producing neroli. It is of interest to note that the crop of neroli oil produced in Tunis this season reached a total of 150 kilog., but it is reported that all this oil has been sold.

The season for distilling rose, for the production of absolutes and concretes, is just ending, and it is reported that inclement weather has seriously affected the output; and the cost, for very much the same reasons as arose in the case of neroli, will be high. The flowers, for instance, have cost 8 francs per kilog., against 5 francs 50 cents last season, and production costs generally have also increased in a similar degree. The carry-over of these products is reported to be negligible (for two or three years past it has been fairly considerable), and it is estimated that a genuine absolute will have to be listed in the region of 10,000 francs per kilog. In sterling this is equivalent to about 31s. 6d. per oz., with "concrete" at a correspondingly lower figure. It is estimated that the quantity of genuine rose absolute available from this season's distillation may not be sufficient to meet anticipated requirements.

The jasmin crop does not come along till August-September, and it is estimated that, due to adverse weather conditions and to a marked decline in the area of the plantations, the quantity of raw material that will be available to distillers will show a further shrinkage. Even if the yield of absolute per 1,000 kilog. of flowers is up to average, it is predicted that the total output of the finished product will be somewhat below that of recent years, while distillers will have to take into account the higher cost of the flowers and increased production expenses when calculating their sales prices. The Grasse report adds that there appear to be no old stocks of jasmin absolute available.

New Books

Cooper, J. W. *Tutorial Pharmacy*. 7½ in. by 5 in. Pp. 593. Illustrated, 17s. 6d. Sir Isaac Pitman & Sons, Ltd. [This is the third edition of Mr. Cooper's work, which has now established itself as a text book of considerable value to students. The plan of the previous editions has been followed, but as the author explains the widening boundaries of pharmaceuticals have necessitated considerable expansion of the book. Changes made essential by the publication of the 1936 Addendum to the B.P. have also been included.]

MEDICINAL PLANTS OF FRANCE.—A further series of coloured plates illustrating medicinal plants of France has just been issued. The series, which completes the third volume, includes the following:—Beech, field horsetail and lycopodium, hellebore, Solomon's seal and black bryony, *Digitalis lanata* and *lutia*, wild marjoram, pellitory and false pellitory, *Corrigiola telephifolia*, artichoke and cardoon—Nos. 137-144. The eight plates may be obtained from "C.D.P.M.," 17 Rue Duguay-Trouin, Paris, 6e (price 7 fr. 30, post free).

Prescott, F., and Ridge, D. *Organic Chemistry*. 8 in. by 6 in. Pp. 688. Illustrated, 8s. 6d. University Tutorial Press, 25 High Street, New Oxford Street, London, W.C. [This is a new work intended to cover the organic chemistry required by second-year medical students and those reading for a general B.Sc. degree. For the benefit of medical students the chapters on carbohydrates, purines, proteins and fermentation are longer and in greater detail in a work of this kind. Questions on each chapter are given. These have been taken from actual examinations in most cases.]

Lynn, E. V. *Pharmaceutical Therapeutics*. 8 in. by 6 in. Pp. 430. 24s. McGraw-Hill Publishing Co., Ltd., Aldwych House, London, W.C. [This is the second edition of the book by Dr. Lynn, Professor of Chemistry, Massachusetts College of Pharmacy, Boston, and has been fully revised in accordance with the many changes which have taken place since the first edition appeared nine years ago. While this work has its appeal in the main to U.S.A. practice, its simple arrangement and the unification of pharmacology with toxicology makes it a useful and informative handbook for the English student.]

Glover, P. M., Indian Lac Research Institute, P.O. Nankum, Ranchi, Bihar, India. *Lac Cultivation in India*. Pp. 147. [This excellent little book comes as a relief amidst the spate of unimportant publications about shellac. Mr. Glover is a distinguished entomologist, and anything from his pen may be regarded as authoritative. The present work is a second edition, brought up to date, of what he modestly described as a "pamphlet" published in 1931. It does not purport to deal with the chemistry or analysis of shellac, but everything that appertains to the cultivation and production of lac, the life of the lac insect and how to get the best results from the insect is dealt with in the fullest and most scientific manner. To anyone with the slightest interest in shellac this work will make highly interesting reading. The illustrations are numerous and extremely good. The two coloured plates illustrating the life history of the lac insect and of two of its enemies of the moth family are really intellectual works of art, and have the novelty of having the descriptions of the various stages in native language, as well as in English. An excellent glossary of native terms used in connexion with the lac industry is given, as well as a bibliography.]

Rent Restriction Act, 1938

THE new Rent Restriction Act which received the Royal Assent on May 26, 1938, will particularly affect the small shopkeeper who lives above his shop premises. Important amendments have been introduced, which it would accordingly be worth while to note. The policy of progressive decontrol is further continued under this Act. Class B houses of a rateable value of more than £35 in London and Scotland, and of more than £20 elsewhere in England, are to be decontrolled as from September 29, 1938. In order to complete the process of decontrol, however, in such cases, the landlord must serve the tenant with a notice to quit. This notice must be at least a month's notice, and it must not in any case expire before September 29, 1938. The notice, as in the case of Class A houses under the 1933 Rent Act, may be in one of three forms. It may be (1) a simple notice to quit, or (2) a notice to quit which, however, is to be inoperative if an agreement for a fresh letting is entered into by the tenant in the meantime, or (3) a notice to the effect that if the tenant does not quit by the date stated, he will be deemed to continue on the terms prescribed by the landlord in the notice.

Rights of the Tenant

The Act, however, preserves to the tenant in cases where any such notice is served the right to require the landlord to grant him a new lease or to grant him compensation for loss of goodwill. In order to preserve these rights, however, it will be necessary for the tenant to serve the landlord with a counter-notice claiming a new lease or compensation, and to serve such counter-notice before the expiration of the landlord's notice. It will be recollected that under the 1933 Rent Act Class C houses of a rateable value of not more than £20 in London, £26 5s. in Scotland and £13 elsewhere, were, if not already decontrolled, rendered undecontrollable. Class B houses, other than those which are decontrolled as above stated, are placed in the same category, and if not decontrolled are rendered undecontrollable. If, however, such a house was already decontrolled by May 26, 1938, it will be necessary, in order to preserve this status of decontrol, to register the house as a decontrolled house with the local authority by August 26, 1938.

An application for an excuse certificate and for leave to make late registration after August 26, 1938, may, however, be made to the County Court in cases where the applicant can show that he had reasonable excuse for his failure to make his registration in time, i.e., by August 26, 1938. Reasonable excuse for this purpose is limited to illness, absence from the United Kingdom, or some other similar cause, or some cause beyond the control of the applicant. No application for late registration will, however, be considered after May 26, 1939. Where an excuse certificate is granted by the court the landlord must make his application for registration within seven days of the certificate. Where there is failure to effect the registration by August 26, 1938, the house will resume its previous status of a controlled house, and in the event of an application for late registration being made by leave in pursuance of an excuse certificate, the house will continue to be a controlled house unless and until it is decontrolled by some fresh act of decontrol.

Determining the Standard Rent

An important alteration is made in connexion with the ascertainment of the standard rent of parts of houses which have been separately let. Previously if a part of a house had been separately let on or before August 1, 1914, or on or before the date when the house was first let as a whole, the part would have a separate standard rent of its own. Now, however, as from September 29, 1938, the standard rent of the part is to be determined by apportioning the standard rent of the whole house. This new amendment will be of particular importance, not only with regard to the ascertainment of rent increases but also with regard to the ascertainment of the proper category of dwelling-house into which the part falls. Thus, what may have been formerly a Class A or a Class B house may now be reduced to the category respectively of a Class B or Class C house.

Where the rent of a controlled house is payable weekly, the landlord must provide a rent book or other similar document. This new obligation, however, does not come into force

until August 26, 1938. In all proceedings where a question is raised as to whether or not the house is controlled, it will be for the landlord in the first place to show that the house is not controlled, and it will not be for the tenant to prove that the house is controlled.

Increase of Rent

Formerly, where a landlord of a controlled house was increasing the rent on the ground of an increase of rates, he had to give the tenant the benefit of any compounding allowance to which he, the landlord, was entitled from the rating authority. Thus, if the standard rent was £30, and the rates had been increased by £10, but the extra amount which the landlord actually paid to the rating authority was £7 10s., the balance of £2 10s. representing the compounding allowance he received, the landlord was entitled to increase the rent not by £10, but by £7 10s. only. Now, however, he will be entitled to increase the rent in such a case by the full amount of the extra rate, £10. This alteration, however, is not to be effective except in respect of rate increases occurring under demand for the general rate made on or after October 1, 1938. In some cases a landlord may obtain possession on proof of the existence of alternative accommodation. The alternative accommodation in the future, however, must be such as not to result in overcrowding under the Housing Act, 1936.

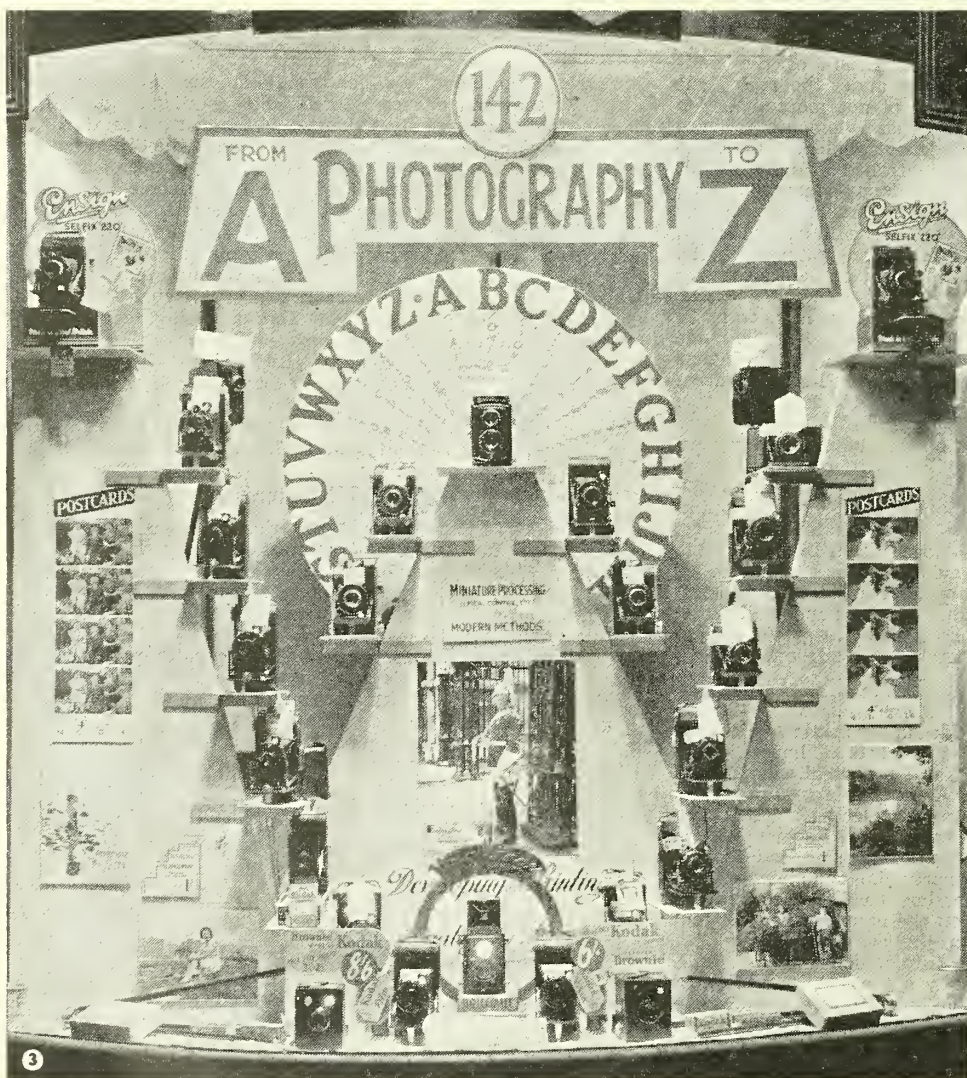
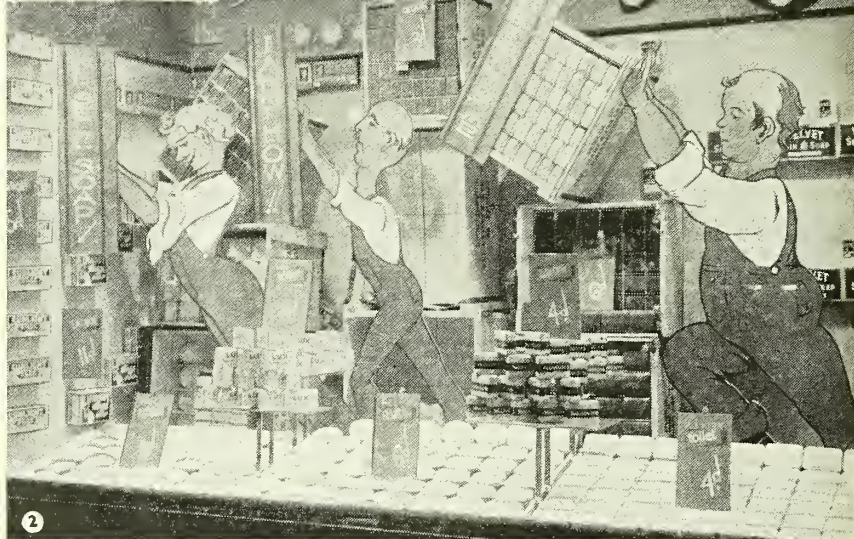
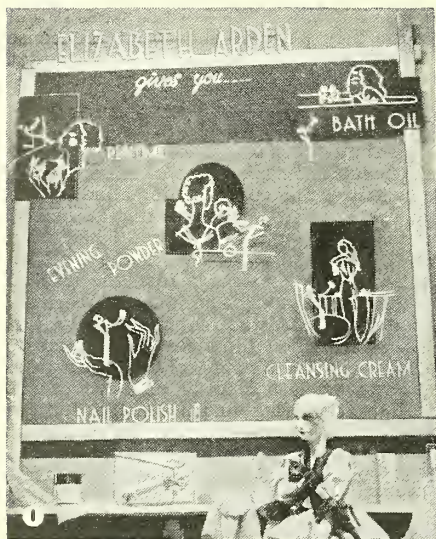
A previous difficulty with regard to rent increases where the premises are being let to a new tenant is now removed. It is to be noted that a landlord is not entitled to a rent increase unless and until he has served the tenant with a proper notice of increase. The difficulty which faced a landlord in a case where circumstances had altered after his old tenant had quit, so as to entitle him validly to increase the rent, was this. He could not validly charge the new tenant with the otherwise permitted increase unless he served him with a notice of increase, which he could not do until after he had become his tenant. But once the premises were let to the new tenant, the landlord was in any case precluded from raising the rent until the contractual tenancy, which might in some cases be for a considerable period, had expired. Under the new Act, however, a landlord is now entitled to serve a prospective tenant with a notice of increase just as if he were a sitting tenant whose contractual tenancy had expired. Where such a notice is served on a prospective tenant, the increase will be effective as against him, if he becomes a tenant, but if the deal falls through, the notice will be entirely ineffective, and a fresh notice accordingly will have to be served on the next prospective tenant if the latter is to be bound by the increase, and so on.

Location of Landlord

In the past tenants have experienced some difficulty in ascertaining the name and address of their landlord, the collection of rent, etc., being done entirely through agents. Now, however, a tenant may effectively serve his landlord with any notice or document authorised or required to be served on his landlord under the Acts (e.g., a copy of the sanitary authority's certificate as to the state of repair) by serving his agent, and the tenant may also require the landlord's agent to disclose to him the full name and address of the landlord. Another important amendment with regard to the recovery of overpaid rent or mortgage interest should be noted. The tenant or mortgagor can now go back a period of two years—instead of six months as before—and claim the recovery of all overpayments made during that period. This new provision has also a retrospective effect to a certain extent, and it also applies to payments made not earlier than six months before the passing of the Act, that is to say to payments made not earlier than November 6, 1937. Any overpayments made prior to November 6, 1937, may not, however, now be recovered.

PUNCH SUMMER NUMBER, 1938, is now on sale, and this is an indication that summer time has indeed arrived. Although this year there are some changes, in particular a wider diversity of artists, there is no diminution in the high standard which it has reached in previous years and maintained. There are sixteen pages of colour.

Recent Displays



IN analysing a number of window displays put in within the last few months, not only in this country but abroad, a common element seems discernible—a simplicity of result obtained by the use of elaborate or complicated properties.

Thus, in the first illustration on this page (Elizabeth Arden perfume, bath oil, evening powder, nail polish and cleansing cream), the amount of stock shown was a minimum. The background was of material stretched upon a frame, on which are drawn—apparently “dashed off,” like chalk sketches on a blackboard, but actually placed with some care—sketches suggesting the uses of the products. The addition of the puppet serves as a focus for the eye and prevents the flatness which would otherwise result. The illustration is from a display by Norman Anstey, Jeppe Street, Johannesburg. In the second (soaps, branded and unbranded) the giant caricature figures were specially prepared for the display. The photograph was taken at a Floffstreet, Johannesburg, store.

“Photography from A to Z” was put in by Willcocks and Williams, Ltd., High Street, Walthamstow, London, E.17. The circle bearing the alphabet (each letter with an appropriate group of commodities, as Agfa films, Bromide papers, etc.), was made by covering a bicycle wheel with cardboard, which was rotated by means of a small electric motor. The colour scheme was light blue picked out with dark blue, and was carried out in distemper.

Background Cut-outs for Summer Shows

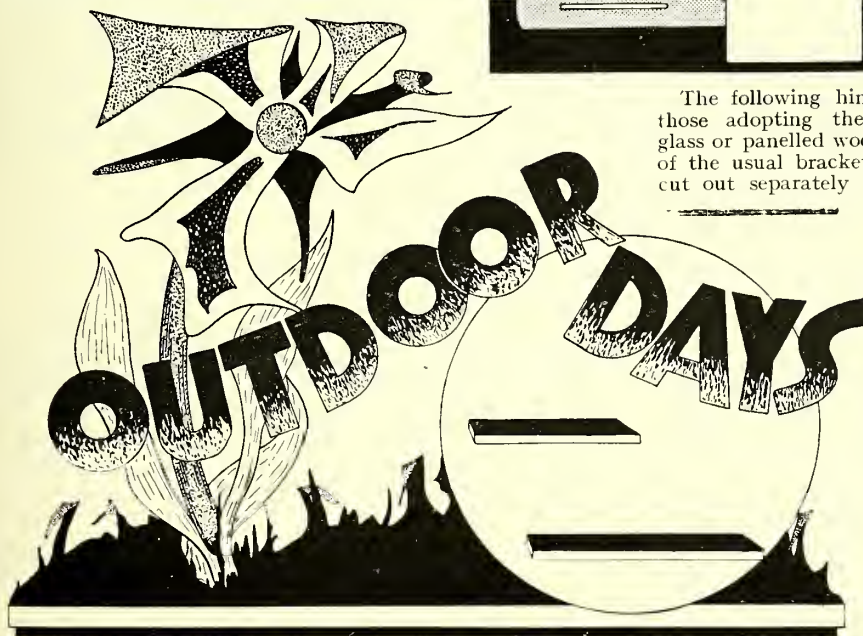
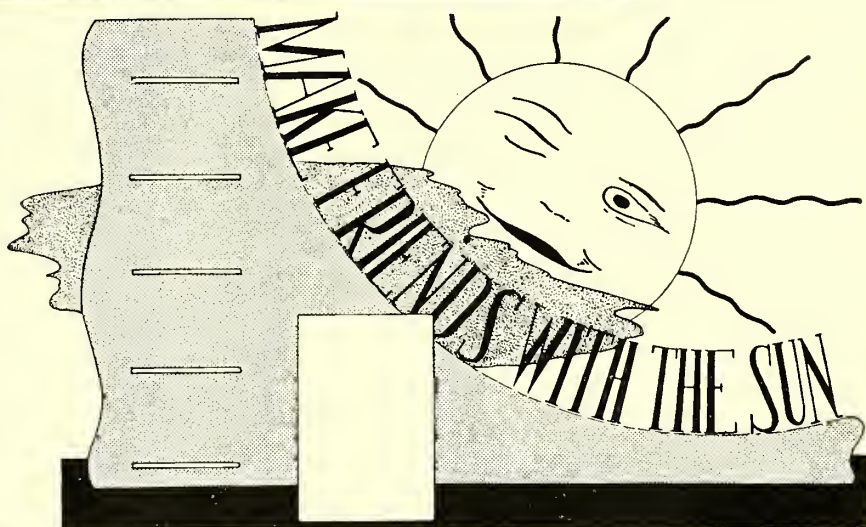
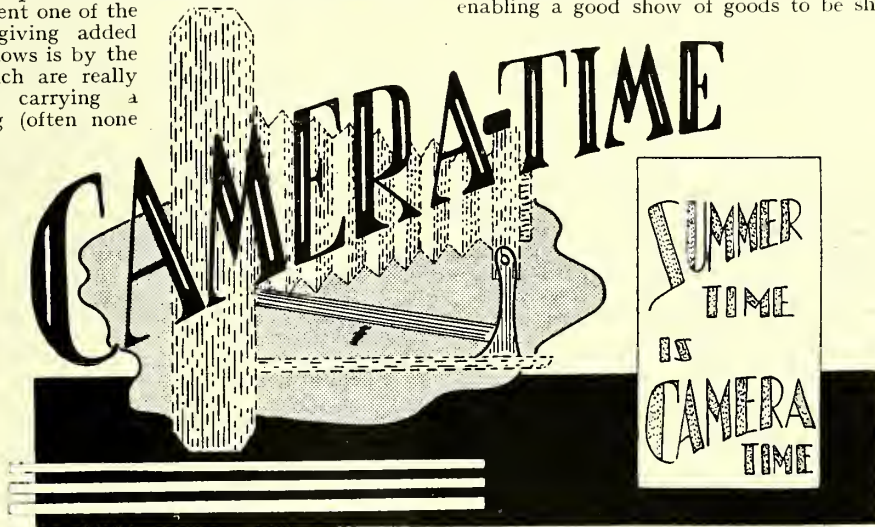
OF the various aids to selling, that of display is by far the most susceptible to the vagaries of Dame Fashion.

At the moment one of the ruling methods of giving added selling power to windows is by the use of cut-outs, which are really enlarged showcards carrying a minimum of wording (often none at all). The subject or design of a background may be of entirely abstract significance, and have little or nothing to do with the objects displayed. Many manufacturers issue showcards on these lines, but their use has the drawback that they take no account of the individuality of the retailer or of other products he would wish to display, and merely make him a link in a series of such displays. The admitted advantages of linking up with the publicity of an advertised product need not be lost through the use of one's own cut-outs; any of the suggestions here offered can be quickly altered to feature a proprietary line if desired.

Details of the method of making cut-outs have been given in previous articles in this paper. With a view to keeping down the expense they are best designed to be interchangeable. The same "cloud," recoloured, can be used in both Figs. 1 and 2, and the base of Fig. 3 has formed part of cut-outs previously suggested in these pages. Circular and oblong panels can also be used over and over again. If possible, cut-outs should be raised from the floor of the window on a platform, or better still, at the top of a flight of two

or three steps. This arrangement has two objects—that of raising the stand to eye level (5 ft. 6 in. or 6 ft.), and that of enabling a good show of goods to be shown in front without obscuring the centre-piece.

Stands are best made about a third the area of the window back and, when coloured, finished with a dull-surface flat oil or water paint; so-called "varnish-paint" should be avoided as it is difficult to paint over afterwards. For covering oblong panels the writer has found draping cloth extremely effective. It has the advantages of being quickly applied and suitable for re-use.



The following hints and colour schemes may be of use to those adopting the ideas suggested. The chemist's usual glass or panelled wood background is quite suitable, if stripped of the usual brackets and shelves. In Fig. 1 the lettering is cut out separately in ply-wood painted green, and mounted on a wood strip either against the cut-out or slung from the ceiling. The silhouette camera is in grey against a blue or white irregular shape on black base with three green bars. The wording panel is yellow, with black lettering. The second cut-out features a set of shelves on the left-hand side, supported by small angle brackets pushed through from the back. The lettering is made with short projecting lugs secured behind the curved panel. The colours recommended are orange (sun), white (cloud), green (lettering), and cream (main panel). The shelves are edged with green and base is black. The flower in Fig. 4 can best be made from a number of pieces of ply-wood held together by 1-in. lath nails. The colour scheme is: base, shelves, stalk and leaves, green; flower, yellow and black; lettering, blue.

Surgical Catgut

Abstract of an address by Mr. J. W. Cruickshank, before the Guild of Public Pharmacists

OF recent years attempts have been made to produce a new suture material in place of catgut, and products, both natural and synthetic, have been evolved. Catgut still remains, however, the one practical, absorbable, suture material. Because of its origin and nature and the fact that it is a foreign body buried in the tissues after operation, catgut had many times been criticised. Why sterilised catgut was brought under the Therapeutics Substances Act must be a matter of history, namely, the occurrence of a number of deaths from post-operative tetanus which were traced to catgut used at the operations. Although the Therapeutic Substances Act governs the sale of catgut sold as sterile and ready for use, the sale of raw, non-sterile catgut is still permitted to hospitals, etc., who sterilise the material themselves. During the last few years the occurrence, in rather rapid succession, of cases of post-operative tetanus was again investigated by the Ministry of Health. For our purpose, it is only necessary to refer to the main conclusion of the official memorandum issued, namely, that "serious danger attends the use of raw catgut, or so-called internally sterilised catgut, to which processes of doubtful efficacy are applied in the hospitals." Ligatures and sutures are divided into non-absorbable and absorbable. The non-absorbable class does not present special problems of sterilisation.

NON-ABSORBABLE SUTURES.—These include silkworm gut, synthetic silkworm gut, linen thread, silk, horsehair, and various metallic wires, notably silver and bronze. From their nature, these are capable of withstanding sterilisation in steam without disintegration. Since such a method can be applied, sterility is easily achieved with a great margin of safety.

ABSORBABLE SUTURES.—Catgut is made from the submucous cellular coat of the sheep's intestines, and, chemically, is a complex protein substance known as collagen. In the modern surgical factory, the methods employed in the production of this material differ radically from the methods employed in the manufacture of catgut for other purposes, such as for tennis rackets and violin strings. Although much of the raw catgut used for surgical purposes used to come from such factories, and was of remarkable tensile strength, the material from a bacteriological point of view was better fitted for other purposes. Although this product is not under licence, the importance of a satisfactory primary product is at once evident. The catgut used in the production of surgical catgut is made from the runners or intestines of young sheep. After removal at the abattoirs, precautions are observed so as to retard bacterial growth until such time as the runners are "worked up." On arriving at the factory the runners are split into ribbons, and the mucous coat removed by mechanical means: this process at the same time reveals weak material, which is rejected. In contrast to the above method, the intestines were formerly stored until decomposition had reached the stage where the putrid mucous coat could be easily removed by washing and light squeezing. According to the size or gauge of catgut required, one, two or three cleaned and defatted ribbons are twisted together; the resulting strand therefore resembles a tightly wound spiral. This strand is allowed to dry at a low even temperature, when it is polished and gauged into the various sizes. This product constitutes what is known as raw plain catgut; during its treatment care has been taken not to treat the catgut with any chemicals that would affect its natural absorptive properties. In chromicised or medium-hardened catgut the strands are immersed in solutions of chromic acid or its compounds, of such strength and for such duration of time as will result in the product having a muscle duration period of twenty to thirty days (approximately three times longer than the plain (non-hardened) variety).

Tubes of sutures are classified as "boilable" or "non-boilable" according to the methods of sterilising the exteriors of the tubes. The terms "boilable" and "non-boilable" apply to the tubes themselves and not to their contents. When the tubes are boilable the sutures are presented in a dehydrated form and are tubed in an anhydrous fluid. The absence of moisture in both the material and the tubing fluid enables the tubes to be boiled repeatedly in water in order to sterilise their exteriors. Complete absence of moisture renders the material extremely stiff and brittle; care must be taken to

restore the pliability of those sutures before use. The non-boilable variety of catgut, as taken from the tube, has the correct degree of pliability and tensile strength. The tubing fluid of this variety consists of 96 per cent. alcohol; the 4 per cent. of water imparts to the suture the requisite pliability. On account of its moisture content these tubes must on no account be boiled, as the action of heat converts the collagen of the catgut into gelatin, thereby destroying its strength. Also, on removing the catgut from the tubes, it is unnecessary and harmful to immerse the material in aqueous solutions such as normal saline, which has the effect of adding too much moisture to the suture, impairing its physical qualities and reducing its tensile strength. Only two absorbable sutures are used in surgery, namely, catgut and kangaroo tendons, the latter product coming from the tendon Achilles of the kangaroo and, being composed of animal tissue, also comes under the Therapeutic Substances Act. These absorbable materials can only be heat-sterilised in the absence of moisture. The material is completely dehydrated before submitting the sutures to a temperature of sufficient intensity and duration to destroy all bacteria. After this intensive heat process the tubes are filled, in the case of non-boilable catgut, with an alcoholic solution containing 96 per cent. alcohol. Boilable tubes are filled with an anhydrous fluid, such as toluene.

Diabetic Coma Treatment

FATAL results from diabetic coma before the introduction of insulin into diabetic therapy were so frequent that they were almost automatically expected. Nowadays the position is reversed owing to the success which attends the use of the substance in this condition. Although to-day the prognosis in diabetic coma is less hopeful with advancing age, in young people it is usually favourable. It is recorded ("British Medical Journal," March 26, 1938, p. 683) that in 1935 Hartmann compared the value of three different forms of treatment for the condition, (a) insulin and glucose, (b) insulin, glucose and sodium bicarbonate, (c) insulin, glucose and sodium lactate. The last method was held to be the most successful, and this worker attributes the striking results to the fact that sodium lactate rapidly replenishes the depleted alkali reserves of the patient. The lactate group of the compound is converted in the liver to glycogen, liberating its sodium base which is available for counteracting the existing acidosis. Further success has recently been reported by Wood and Bryer, who found little response to insulin in a severe case of diabetic coma, but noticed an improvement following intravenous injection of sodium lactate, which seemed to be definitely related to the treatment. It is further recalled by Basman ("British Medical Journal," April 9, 1938, p. 814) that Hartmann states "the conversion of lactose into glucose is apparent from the uniform rise of glucose in the blood." Hartmann's method of working in cases of diabetic coma or acidosis is based on the following: For each Kgm. body weight—

Insulin	2 units
Molar sodium lactate solution	10 c.c.
Distilled water	50 c.c.
Ringer's solution	40 c.c.

Approximately one-third to a half of this solution is given by intravenous injection and the remainder subcutaneously, or intraperitoneally. Basman, who has tested the treatment for three years in hospital, confirms the above results as being extremely satisfactory, and is shortly to publish a paper giving details of some sixty cases treated with sodium lactate, who showed no harmful effects from it. He adds that excellent results with the compound have also been obtained in acidosis associated with nephritis, diarrhoea, dehydration, infection and other conditions.

VEGETARIANS BEWARE!—"Potassium cyanide is a vegetable poison composed of fine white cubic crystals. . . . Farmers use it to kill blight on trees and fruit and to destroy wasps' and hornets' nests."—"Daily Express."

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, June 16

In some directions there has been rather more business moving during the past week. It is not suggested that the demand is anything approaching brisk, but conditions generally are not nearly so depressing as they were three or four weeks ago. In most markets stocks of natural products available in dealers' hands continue at a low level. There have been rumours of a pending devaluation of the Italian lire, but there is, so far, no official pronouncement on this subject. Business in the PHARMACEUTICAL CHEMICALS markets has been no more than routine and on rather restricted lines. Two changes in values of importance are notified this week. The scales of prices for BENZOIC ACID, B.P., and SODIUM BENZOATE, B.P., have been reduced and revised.

Crude Drugs

Rather more business is reported generally in these commodities, the consuming demand being in better evidence, but most orders continue to be restricted in quantity. AGAR is slightly easier on spot. Curaçao ALOES continue to sell at full prices on spot. There are no shipment offers of new crop, and two reports to hand this week give conflicting news as to the prospects of the new crop. ANTIMONY metal is quoted cheaper on the week. Japanese CAMPHOR is steady, with the demand quiet. The shipment quotations to hand this week for new crop CASCARA SAGRADA continue to weaken, with some pressure to sell noted; buyers, however, have not, so far, operated to any extent. Bergen reports the shipment market for Norwegian COD-LIVER OIL remains dull. Much firmer conditions are reported in Spanish-Portuguese ERGOT. The unofficial reports of an embargo on exports from anti-government territory in Spain are very ambiguous. Japanese MENTHOL is in quiet demand on spot; Japanese shippers' quotations are being fully maintained. There is no change in the shipment price for MERCURY. PEPPERS are fractionally better on the week. Rather easier conditions are anticipated in the shipment market for RHUBARB on the decline in the Shanghai dollar. RUBBER shows some recovery on the week. Spanish SAFFRON is quoted at famine prices. New crop SENEGA is quoted cheaper for shipment.

Essential Oils

Although still rather quiet, these markets have attracted a little more business during the past week. In general, prices are being fairly well maintained, although competition is keen in some products. More spot demand for ANISE (STAR), and holders of good oil are not pressing sales, despite the cheap shipment position. CASSIA is neglected. Java and Ceylon CITRONELLAS remain dull and cheap. Bulk quantities of Australian EUCALYPTUS for shipment are quoted keenly in some quarters. The source reports the shipment market for Sicilian hand-pressed LEMON is fully steady, despite the lack of normal business; the demand on this market has been disappointing. OLIVE is quoted at slightly-cheaper prices. French Guinea ORANGE seems to be unwanted in anything like normal quantities on spot; the warmer weather may improve the demand. Californian ORANGE continues at the reduction notified last week. Japanese PEPPERMINT has been quiet on spot; shippers' quotations are well maintained. SPERMINT is quoted dearer, spot and forward.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	June 9	June 16
Amsterdam ...	Fls. to £	12.107	8.96	8.95½
Berlin ...	Mks. to £	20.43	12.32	12.30
Brussels ...	Belgas to £	nominal	29.26	29.23
Copenhagen ...	Kr. to £	18.159	22.40	22.40
Lisbon ...	Esc. to £	110	110½	110½
Madrid ...	Ptas. to £	25.24½	nomina	nominal
Milan ...	Lire to £	92.46	94	94½
Montreal ...	Dols. to £	4.86½	5.01½	4.97½
New York ...	Dols. to £	nominal	4.95	5.03
Oslo ...	Kr. to £	18.159	10.90	10.90
Paris ...	Fr. to £	124.21	178½	178½
Prague ...	Kr. to £	164.25	142½	142½
Stockholm ...	Kr. to £	18.150	19.40	19.40
Warsaw ...	Zloty to £	43.38	26½	26½
Zurich ...	Fr. to £	25.2115	21.73	21.65

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

BUSINESS continues generally quiet. Benzoic acid and sodium benzoate are quoted cheaper.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over, 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BARBITONE.—Dealers' spot quotations are keen: two cwt., 8s. 11d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 5d. per lb., ex store, London.

BENZOIC ACID (B.P.).—Makers' prices have been reduced and revised as follows: five cwt., 1s. 7½d.; one cwt., 1s. 8d.; smaller parcels, from 1s. 9d. up to 2s. 2d. per lb., as to quantity.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

CITRIC ACID (B.P. CRYSTALS).—Continues in fair demand, with quotations unchanged: British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for wholesale bulk quantities are quoted as follows:—HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz.; 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows:—HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to resell any quantity at below the scale price for such quantity current at the time of resale. Export prices vary according to destination.

CREAM OF TARTAR.—Market is unchanged: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Market remains dull: bulk quantities, in 25-kilo demijohns, 1s. 6d.; small parcels, 1s. 7½d. to 2s. per lb., ex store.

EPHEDRINE.—The demand continues very quiet: Hydrochloride, B.P., 7s. 3d. to 8s. 6d. per oz. Pure, alkaloid, 10s. to 11s. 6d. per oz., as to quantity.

GALIC ACID.—Quotations are unchanged: one cwt., 3s.; 56 lb., 3s. 1d.; less than 56 lb., up to 3s. 6d. per lb.

LACTIC ACID (B.P.).—Small demand: in carboys, 1s. 4½d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10½d. per lb., as to quantity.

METHYL SALICYLATE.—Makers' quotations are unchanged: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

PHENACETIN.—Market steady, small business: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. to 3s. per lb., as to quantity.

PHENAZONE.—Very irregular and in small demand: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, 7s. 6d. per lb., with powder 2½d. per lb. extra.

PHENOLPHTHALEIN.—The scale of prices is unchanged: two cwt., 2s. 0d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels up to 3s. 6d. per lb.

PHENYLEHYDROXYACETIC ACID.—Dealers are quoting small spot parcels at about 19s. to 20s. per lb., in 2-lb. bottles.

PHOTOGRAPHIC CHEMICALS.—Home makers' prices are as follows: AMIDOL.—28 lb., 8s.; 14 lb., 8s. 9d.; 7 lb., 9s. 6d., in free 7-lb. tins; under 7 lb., 12s. per lb., in free 1-lb. bottles. CHLOROQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.;

7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. METOL.—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d., tins free; 3 lb., 12s., bottles free; 1-lb. bottles, 12s. 6d. per lb., bottles free. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 21s. per cwt.; 28 lb. for 6s. GOLD CHLORIDE.—15-grain tubes, 45s. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENYL HYDROCHLOR.—8s. 6d. per lb., bottles free. POTASSIUM FERRICYANIDE.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. POTASSIUM METABISULPHITE.—One cwt., 8d.; 28 lb., 9d.; 14 lb., 10d.; 7 lb., 1s. per lb. PYROGALLIC ACID, CRYST.—28 lb., 7s. 3d.; 14 lb., 8s.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb. SODIUM (CARBONATE RECRYST.).—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. SODIUM SULPHITE, RECRYST.—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

POTASSIUM PERMANGANATE (B.P.).—Fair amount of small business: bulk quantities, in drums, 8½d. to 9d.; druggists' parcels, from 10d. to 1s. per lb.

POTASSIUM SULFHOUIACOLATE.—Business negligible: spot, about 6s. 1½d. to 6s. 3d. per lb., as to quantity.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; dihydrochloride, 3s.; hydrobromide, 2s. 8½d.; dihydrobromide, 3s.; valerianate, 3s. 8d.; hydrophosphite, 4s.; alkaloid, 3s. 9d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

RESORCIN.—The home makers' scale of prices is as follows: one cwt., 5s. 5d.; 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; smaller quantities, up to 7s. per lb.

SACCHARIN.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Makers' quotations are unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d. per lb.

SALOL.—Small demand; quotations competitive: spot, crystals, 2s. 2d. to 2s. 6d. per lb., as to quantity.

SANTONIN.—A little spot demand, mostly in small lots. Nominal at £15 per kilo, with spot sellers from about £10 10s. to £12 per kilo.

SODIUM BENZOATE (B.P.).—Makers' prices have been reduced and revised, as follows: five cwt., 1s. 3½d.; one cwt., 1s. 4d.; smaller parcels, from 1s. 5d. up to 2s. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Controlled prices are steady: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels up to 12s. 3d. per lb.

SODIUM SALICYLATE (B.P.).—Makers' quoted prices are unchanged: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10½d.; 7 lb., 1s. 11½d.; 1 lb., 2s. 4d. per lb.

SULPHONAL.—Dealers' prices are very keen: crystals or powder, two cwt., 15s. 5d.; one cwt., 15s. 11d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Continues in fair demand and unchanged on quotation: British makers quote at 1s. 1½d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

Crude Drugs, etc.

AGAR.—Spot demand of small account; shipment business also quiet: spot, Kobe, No. 1, 2s. 11d. to 3s.; No. 2, 2s. 10d. Yokohama, No. 1, 2s. 10d. per lb.; shipment, Kobe, No. 1, July-August, 2s. 5½d.; No. 2, 2s. 4d.; Yokohama, No. 1, 2s. 4d. per lb., c.i.f.

ALOE.—Fair spot sales of Curaçao continue at full prices. No shipment offers of new crop. Cape steady and unchanged: Cape, spot, 63s. to 64s.; shipment, about 62s. 6d. per cwt., c.i.f. Curaçao, spot, now quoted from 137s. to 150s. per cwt., as to quality.

The Curaçao crop has commenced and will extend over four months, with labour difficulties being experienced. It is estimated, however, that Aruba will produce about 3,000 cases of 125 lb. each and Bonaire about 1,250 cases, a total of 4,250 cases. The 1937 crops were 2,800 and 700 cases, respectively, making a total of 3,500 cases.

Another report states that practically all available labour has been attracted by high wages to the oil wells, and that it is doubtful if the crop gathered will reach last year's total.

ANTIMONY.—Values are easier on the week, market quiet: Chinese, crude, spot, £38; shipment, June-July, £30, c.i.f. English regulus, £70 to £71 per ton, ex store.

CAMPHOR.—Market is slow with quoted prices for Japanese unchanged: Japanese monopoly BB brand £7 10s. per 100 lb.; this price now officially quoted: Japanese, natural, spot, tablets, 2s. 6½d.; powder, 2s. 3½d.; slabs, 2s. 3½d. per lb., ex store; shipment, tablets, 2s. 2d.; powder, 2s.; slabs, 1s. 11½d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 2d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz., and ¼ oz., 3s. 6d. per lb.

CASCARA SAGRADA.—The shipment quotations for new crop bark show a further decline and have now reached 34s. 6d. per cwt., c.i.f., with

some evidence of pressure to book orders. The weakness in the position seems to be due, partly, to carry-over and, to some extent, lack of usual orders from the New York market. Meanwhile, buyers here are still doing nothing. Old barks on spot steady at former figures.

CLOVES.—Values are level on the week, business rather quiet: Zanzibar, spot, 8½d.; shipment, June-July, 8d. per lb., c.i.f., Madagascar, in bond, 7d.; shipment, June-July, 6¾d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended June 11 were nil, and the deliveries 20, leaving a stock of 1,128. From January 1 to date the landings of Zanzibar have been 1,389 and the deliveries 1,330. Landings of Madagascar for the week ended June 11 were nil, and the deliveries nil, leaving a stock of 1,268. From January 1 to date the landings of Madagascar have been 739 and the deliveries 1,547 packages.

COCONUT (DESICCATED).—Market continues steady but rather dull: spot, fine, 16s. 9d.; medium, 16s. 3d. per cwt.; shipment, halves, July and August, 15s. 6d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports Finnmarken fishing continues negligible. Results to June 12: 162,000 tons of cod and 68,924 hectol. of oil, compared with 156,602 tons of cod and 75,914 hectol. of oil on the same date in 1937, and 133,470 tons of cod and 63,413 hectol. of oil in 1936. Shipment market is reported to be dull with quotations holding steady: finest Lofoten steam-refined non-freezing medicinal oil, 90s. per barrel, c.i.f. London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

ERGOT.—Firm conditions are reported. After orders booked by shippers of Portuguese at 3s. 7½d., c.i.f., from 4s. to 4s. 2d., c.i.f., is now wanted for sound old crop. It is unofficially reported that exports from territory held by anti-Government forces in Spain have been prohibited unless the shipment price is at least 5s. per lb., c.i.f., and that an export tax is being levied. Some Polish is reported to have sold at 4s., c.i.f. No Russian offered. On spot, Portuguese is held for 4s. 3d. to 4s. 6d. per lb., and the cheaper price may be withdrawn.

GINGER.—Not much business moving, quoted unchanged. West African, spot, 27s.; for arrival, 22s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 72s. 6d. to 85s.; small grinding, in bags, 55s. to 60s. per cwt., c.i.f.

GUM ACACIA.—Market is steady, but remains dull: Kordofan, cleaned sorts, spot, 37s. 6d.; shipment, 35s. per cwt., c.i.f.

HYDRASTIS.—Not much business with quoted values about unchanged. Spot, 23 hydrastin, 15s.; U.S.P., 14s. 6d.; untested root, 14s. 3d. per lb., ex store. Shipment offers from 14s. to 14s. 4½d. per lb., c.i.f., as to quality.

MENTHOL.—The Japanese product has been rather quiet on spot, but values are steady. K/S brands, 12s. 3d. to 12s. 4d.; in bond, 11s., c.i.f. Japanese shippers' quotations are firm at 10s. 6d. to 10s. 9d., c.i.f. Chinese, spot, 12s.; shipment, July-August, 10s. 3d. per lb., c.i.f.

MERCURY.—The shipment quotation for Spanish-Italian metal is unchanged: shipment, 69 dollars per bottle, f.o.b., Continent; spot, £13 18s. to £13 18s. 6d. per bottle, ex store, London.

OPIUM.—Small spot sales: Turkish, original cases of 170 lb., 13 per cent., 1s. 1d. Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

PEPPER.—Market is steadier: Lampong, in bond, 2½d.; shipment, August-October, 2½d., c.i.f. Tellicherry, spot, 4d.; shipment, June-July, 33s., c.i.f. Aleppy, spot, 4d.; shipment, June-July, 34s., c.i.f. White Muntok, in bond, 3½d.; shipment, August-October, 3½d., c.i.f. London Terminal Market, Black, June, 2½d.; July, 2½d.; October, 2½d. White, May, 3½d.; July, 3½d.; October, 3½d. per lb.

PIMENTO.—Market steady but quiet: spot, 6½d. to 7d. per lb.; shipment, July-August, 56s.; August-September, 56s. per cwt., c.i.f.

RHUBARB.—Spot values for all descriptions are steady at former figures. The forward market tends slightly easier on the decline in the exchange value of the Shanghai dollar. Ordinary quality, as a result, is now quoted down to 1s. 6d. per lb., c.i.f.

RUBBER.—Values show a small recovery on the week, closing with limited business moving: standard ribbed smoked sheet, spot, 5½d.; July, 5½d.; August, 6d.; September, 6d.; October-December, 6½d. per lb.

SAFFRON.—Dealers are now asking about 90s. to 92s. 6d. per lb. for small stocks of genuine Valencia. Anything offered from the source would be about 90s. per lb., c.i.f.

SEEDS.—ANISE.—Spot, duty paid, Spanish, 62s.; Bulgarian, 40s.; Syrian, 39s. CANARY.—Market quiet, prices are easier. Prices quoted, spot, duty paid, are: Mazagan, 16s. 9d.; Turkish, 16s. 3d.; Plate, 16s.; Spanish, 24s. to 35s. CARAWAY.—Dutch, 32s. 6d., spot, duty paid; 28s. 9d. quoted f.o.b. Holland. CORIANDER.—Market firm: spot, 18s., duty paid; new crop for shipment quoted at 14s. 9d., c.i.f. CUMIN.—Spot, Malta, 40s., duty free; Morocco, 39s., duty paid. FENUGREEK.—Morocco on spot offered at 12s. 9d., duty paid. MUSTARD.—English, 21s. to 29s. 6d., according to quality.

SENEGA.—Spot market quiet: spot, 2s. 3d. to 2s. 4d., as to quantity; shipment, 2s. per lb., c.i.f.

SHELLAC.—Market has been very quiet this week: spot, standard TN orange, 37s. to 40s.; fine orange, 57s. 6d. to 100s.; pure button, 55s. to 60s. per cwt. For delivery, TN, August, 36s. 6d.; October, 37s. 6d.; December, 38s. 6d. For arrival, TN, July-August, 32s. 6d. per cwt., c.i.f.

SLIPPERY ELM BARK.—Occasional small spot demand: grinding quality, 6½d.; clippings, 8½d.; selected loose slabs, 1s. 2d.; 5-lb. wired bundles of selected quality are firm at 2s. 3d. per lb., ex store.

TRAGACANTH.—Market has been on the quiet side; all descriptions quoted at former rates: finest selected white ribbon, £65; No. 1 white, £57 10s. to £60; No. 2, white, £50 to £54; No. 3, white, £35 to £42 10s.; amber leaf, £22; cleaned amber sorts, £16; brown to amber leaf, £11 10s.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

TURMERIC.—There appear to be more shipment offers about for Madras finger, new crop, and for a good bulk quantity 24s. 9d. per cwt., c.i.f., which is now the general figure, might be shaded. Spot market dull and quoted unchanged.

WAXES.—Bees'.—Business continues slow, but quotations show no further decline: Calcutta, bleached, spot, 130s.; shipment, June-July, 120s., c.i.f.; ordinary quality, spot, 95s.; shipment, June-July, 90s. per cwt., c.i.f. Benguella, in bond, 90s.; shipment, June-July, 82s. 6d., c.i.f. Conakry, spot, 95s.; shipment, July, 82s., c.i.f. Dares-Salaam, spot, 100s.; shipment, June-July, 87s., c.i.f. CARNAUBA.—Market is steady on quotation; business quiet: fatty, grey, spot, 150s.; afloat, 145s.; shipment, June-July, 145s., c.i.f. Chalky, grey, spot, 150s.; afloat, 145s.; shipment, June-July, 142s., c.i.f. Primeira, spot, good quality, 190s.; afloat, 175s.; shipment, June-July, 172s. 6d., c.i.f. Mediana, spot, 180s.; shipment, 170s. per cwt., c.i.f.

Essential and Expressed Oils, etc.

A LITTLE more inquiry is reported this week, but some of the leading items continue in slow demand. Shipment market for lemon is dull. French Guinea orange remains quiet on spot. Japanese peppermint is fully steady forward.

ANISE (STAR).—Spot business has been rather better this week and as quoted the market is steady; shipment quotations are keen: spot, leads, 4s.; tins, 3s. 6d.; drums, 3s. 5d. per lb., ex store; shipment, tins, 2s. 9d.; drums, 2s. 8½d. per lb., c.i.f.

AVOCADO PEAR.—Spot demand is limited; Californian oil quoted from 47s. to 54s. per gallon, as to quantity, ex store.

BERGAMOT.—The shipment quotation for Consortium oil continues steady at about 14s. 9d. per lb., c.i.f., for bulk quantities. On spot, genuine new crop oil is moving quietly from 15s. to 15s. 6d. per lb., as to quantity, with blended and old oils at cheaper figures.

BOIS DE ROSE.—Demand remains slow; Brazilian oil at about 5s. 6d. in drums, and smaller quantities up to 6s. 3d. per lb.

CAJUPUT.—Spot market steady, forward rather easier, demand quiet: B.P., 2s. to 2s. 4½d. per lb., as to quantity, ex store.

CAMPHOR.—Spot values are fully steady with limited supplies at 104s. to 107s. 6d. per cwt. in drums. No shipment offers of Chinese at the moment. Japanese, 90s. per cwt., c.i.f.

CANANGA.—Market is dull, with some offers at keen prices: spot, about 5s., with smaller parcels up to 5s. 6d. per lb.; shipment, 4s. 6d. per lb., c.i.f.

CARAWAY.—A little spot business reported, market steady: Dutch rectified, 7s. 3d. to 7s. 9d.; crude, 6s. 9d. to 7s. per lb., landed and duty paid, as to quantity.

CINNAMON LEAF.—Small lots of refiltered oil, repacked on spot, are quoted from 2s. 9d. to 3s. 3d., as to quantity; shipment for bulk quantities, in drums, continues cheap.

CITRONELLA.—Both oils remain very quiet: Ceylon, spot, drums, 1s. 5d. to 1s. 5½d.; smaller parcels, up to 1s. 9d.; shipment, drums, 1s. 2d. per lb., c.i.f. Java, spot, drums, 1s. 10d. to 1s. 11d.; smaller parcels, up to 2s. 4d.; shipment, drums, about 1s. 4½d. per lb., c.i.f.

CLOVE.—Slow demand, with Madagascar oil keeping about steady: Madagascar, spot, drums, 3s. to 3s. 1d. per lb.; small parcels, up to 3s. 7d.; English distilled, 4s. 7½d. to 4s. 10½d. per lb.

EUCALYPTUS.—Market is dull, with the shipment market quoted keenly for bulk quantities: Australian, 70 to 75 per cent., tins, 1s. 5½d. to 1s. 6d.; drums, 1s. 5s.; 80 to 85 per cent., drums, 1s. 9d. per lb., landed; higher prices for small lots on spot. Shipment, 70 to 75 per cent., tins, 1s. 3d.; drums, 1s. 2½d.; 80 to 85 per cent., 1s. 6½d. per lb., c.i.f.

GERANIUM.—Spot and forward business remains quiet, with spot values for good quality oils keeping up fairly well: Bourbon, spot, 12s. to 12s. 4½d.; shipment, 10s. to 10s. 6d., c.i.f. Algerian, spot, about 13s.; shipment, 12s. 2d. per lb., c.i.f., for good quantities.

Ho (SHIU).—The demand for this oil remains disappointing: "improved" quality, 4s. 1d.; "extra" quality, 4s. 4d. per lb., in drums, and higher prices for smaller lots. Shipment, "extra" quality, 4s. per lb., c.i.f.

JUNIPER BERRY.—Business on a modest scale only: quoted according to quality and quantity from 3s. 3d. to 4s. per lb.

LAVENDER.—The spot market remains dull: French, 38 to 40 per cent., 12s. 3d. to 14s. per lb., ex store. Lavandin, 5s. to 5s. 6d. per lb., as to quantity and quality.

LEMON.—The source reports the shipment market for new crop Sicilian hand-pressed oil as quite steady, with the demand quiet: quoted from 11s. to 11s. 7½d. per lb., c.i.f., in bulk quantities. On spot, branded oils are quoted from 11s. to 11s. 7½d. per lb., ex store, for good quantities; but, from the lack of anything like normal demand, it is evident consumers consider the price too high and are using alternative products. The limited quantity of Californian distilled oil available for this market is steady at 6s. 4d. per lb., in small drums, landed. Sicilian, machine-made, 10s. 9d., c.i.f.

LEMONGRASS.—There is almost an entire lack of interest in shipment offers to this market, with the figure not more than 1s. 5d. per lb., c.i.f. Spot goods are quoted from 1s. 8d. to 2s. per lb., as to quantity.

LIME.—Spot West Indian distilled continues in moderate demand: quoted at 24s. to 26s. per lb., ex store, with a moderate demand reported.

MANDARIN.—Market remains quiet: finest quality oil at about 19s. to 20s., c.i.f., with other qualities from 17s. 6d. per lb., c.i.f.; small lots on spot from 20s. to 22s. 6d. per lb., as to quantity and quality.

NEROLI.—A review of the new crop oil is given in the editorial columns on p. 699 of this issue.

NUTMEG.—Spot quotations are about unchanged; business modest: Dutch and American oils offering from 5s. 6d. to 5s. 9d. per lb., as to quantity, ex store.

OLIVE.—Market is quoted cheaper, business on the quiet side: 1 per cent., 5s.; 2 per cent., 4s. 10½d. per gallon in 45/50-gallon drums. French, edible quality, 67s. 6d., for cases of 10 one-gallon tins and 69s. 6d. for 20 half-gallon tins; 5s. 6d. per gallon in 50-gallon drums.

ORANGE.—New crop French Guinea oil continues to sell slowly on spot at keen prices, while there is no interest in shipment offers: spot, drums, 3s. 3d.; repacked oil in tins in cases, 3s. 5d. to 3s. 6d.; in bond, 2s. 10d. per lb. for fair quantities; shipment, about 2s. 7d., c.i.f., in drums. Sicilian, sweet, 10s. 7½d., c.i.f. Bitter, 8s. 7½d., c.i.f. Californian is steady at last week's reduction of 20 cents: spot, one case, 3s. 7½d.; two or more cases, 3s. 5d.; large drums, not quoted; small drums, 3s. 4d. per lb., landed; cold-pressed, 5s. 3d., c.i.f. in cases.

PALMAROSA.—Genuine oil on spot is firm at 8s. 4½d. to 8s. 6d. for original packages: shipment is up to 8s. per lb., c.i.f., with little offering.

PATCHOULI.—Market is dull and rather unsteady on quotation: Singapore, about 13s. 10½d.; shipment, 12s. 10½d. per lb., c.i.f. Seychelles, 11s. 1½d.; shipment, about 10s. 3d. per lb., c.i.f.

PEPPERMINT.—The Japanese product is keeping about steady on spot and shipment quotations are firm: spot, 4s. 3d. to 4s. 4d. Japanese shippers' quotations up to August are held at 4s. 1½d., c.i.f., with no offers for distant positions. Market sellers of October-December at 3s. 11d., with a buyer at 3s. 9d. per lb., c.i.f. American natural oil, in drums, continues firm for shipment at fully 2 dollars to 2 dollars 10 cents per lb., c.i.f.

PETITGRAIN.—Rather more inquiry on spot: shipment quotations are unchanged: spot, cases, 4s.; small lots, up to 4s. 6d.; shipment, 3s. 4½d. per lb., c.i.f.

RAISIN SEED.—Spot supplies of Californian are quoted from 2s. 4d. to 2s. 6d. per lb., ex store, according to quality.

ROSEMARY.—Business on a fair scale, with prices for good-quality oil maintained: Spanish oil, about 3s. up to 3s. 7½d. per lb., as to quality and quantity. No definite shipment offers from the source. New crop Morocco oil, quoted at about 3s. 2d. per lb., c.i.f. New crop Tunis oil, to come forward, 2s. 9d. to 3s. per lb., landed, as to quantity.

SAGE.—Spot supplies of good-quality Spanish oil are quoted at about 3s. 8d. per lb., ex store. Dalmatian, new crop, for shipment next month, 3s. 8d. per lb., landed.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots, continues steady at 20s. 6d. per lb. Genuine East Indian, produced outside the province of Mysore, 18s. 3d. to 18s. 6d. per lb., c.i.f., in bulk quantities. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb., for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SASSAFRAS.—The wide range of prices is due chiefly to varying quality of oil offered; small spot business only. Quoted at 3s. 7½d. up to 4s. 6d. per lb. Other oils at cheaper prices.

SPEARMINT.—Routine small parcel business on spot, values are dearer: U.S.P. oil, spot, 8s. 4d. to 8s. 6d. for cases; small repacked parcels, up to 8s. 9d.; shipment, 8s. 3d. per lb., c.i.f., for cases. Other quality oils at cheaper prices.

SPIKE.—Dealers' prices for fair quantities of genuine Spanish oil are steady from 5s. 6d. to 6s. per lb., with business quiet. Blended oils at cheaper prices.

WORMSEED.—The shipment market continues fully steady; moderate spot demand: spot, U.S.P. oil, 11s. 6d. to 11s. 9d.; B.P., 12s. 3d. to 12s. 6d., as to quantity; shipment, U.S.P., 11s. per lb., c.i.f., in bulk quantities.

London Drug Auction

Commercial Sale Rooms,
Mincing Lane,

June 16, 1938.

AT THE DRUG AUCTION held to-day seven catalogues were submitted. The offering covered the usual range of commodities, and quite a fair percentage consisted of fresh importations. The demand generally showed definite signs of improvement, and whilst there was no outstanding feature to report, buyers were inclined to show more interest in certain directions. ALOES, of all descriptions, are still firm, and in spite of recent arrivals importers are not prepared to give way in price. BENZOIN, Sumatra, is still in fair supply, with prices in buyers' favour. BUCHU: more interest was displayed and fair competition was shown for the limited supply of good green "rounds" that were available. IPECACUANHA: no offerings were catalogued; but the market, we understand, continues very steady privately. MYRRH continues firm, with a steady business passing. HONEY was quiet in auction, but a regular business is being done privately. RHUBARB is still very steady, and the spreading of trouble in the Far East is likely to make the position more difficult later. SENNA continues steady, with more interest in the selected grades of Alexandrian hand-picked pods.

ALOES.—Continues steady. Cape: in auction there were five cases and ten boxes of fair hard bright, which were held for 62s. 6d. per cwt. Curaçao: a total of 50 cases were offered; rather soft, bright black, inclined to turn, were available at 130s. per cwt. Nineteen cases of Aden quality retired at 70s.

AMMONIACUM.—For a parcel of five bags, fair, rather blocky tear, 1s. 2d. per lb., "in bond," was indicated.

ANNATTO SEED.—Several parcels were offered, including Jamaica of good bright colour at 4½d. to 5d., and Madras at 3½d. per lb.

BALSAM.—A parcel of five cases of genuine San Salvador was withdrawn at 3s. 9d. per lb., "in bond."

BENZOIN.—Sumatra: a total of 28 cases were offered, and five cases of ordinary to fair seconds were sold at 75s. per cwt. For good almondy seconds 90s. per cwt. was indicated. Siam: the offerings covered the usual range, medium almonds being held for £26; bean and pea, £22; pea size, £20 per cwt. All these parcels were of good bouquet.

BUCHU.—Showed more interest at the recent decline. Fair to good green new crop was sold at 1s. 6d. to 1s. 7d. per lb. Ovals, bronzy, were bid for at 1s. 3d. per lb., but this is subject to owners' acceptance.

CALUMBA.—Continues unchanged, and fair washed pickings were offered at 35s. and ordinary native washed, rather leanish, at 30s. per cwt.

CARDAMOMS.—A fresh arrival of 43 cases of bleached Ceylon was catalogued and mostly bought in, with the exception of three cases of good fresh seed, which realised 3s. 6d. per lb.

CASCARA SAGRADA.—A parcel of 50 bags of last year's bark was withdrawn at 48s. 6d. per cwt., "in bond."

COLOCYNTH.—Good white pulp, totalling in all 28 bales, retired at 1s. per lb., "in bond."

CUS CUS ROOT.—A lot of fair fibrous Indian was withdrawn at 32s. 6d. per cwt.

DRAGONS BLOOD.—Continues unchanged, with a steady business passing privately at current rates.

ELEMI.—In all seventeen cases were offered; fair No. 1 white withdrawn at 42s. 6d. and dullish No. 2 at 37s. 6d. per cwt.

GAMBOGE.—Continues steady; for fair to good Siam pipe £13 10s. per cwt., duty paid, is required.

GUAIACUM.—Displayed more interest in the auction, and five cases of fair to middling block were sold at 1s. per lb., and a further two cases of similar quality were sold privately.

HONEY.—The offerings consisted of 152 barrels of Jamaican, 237 tins of Australian and 9 drums San Salvador. Only the last-named

parcel, which was offered "without reserve," sold cheaply at 19s. 6d. per cwt., "in bond," for set amber. Privately there is a steady business passing, chiefly in new crop Jamaican.

KOLA NUTS.—Eight bags of West Indian halves, fairly bright to dull, retired at 4d. to 3½d. per lb., respectively.

MYRRH.—Still remains in limited supply. Ordinary to fair sorts, rather small, were available at £7 10s. per cwt., duty paid. Part of the offerings had been sold prior to the sale. Grains of bright colour were held for 100s. per cwt., "in bond."

ORANGE PEEL.—A parcel of five cases, fair bright thin cut Tripoli, was sold at 11½d. per lb., "in bond." For dark thin cut, ten cases were offered at 8d. per lb. Quarters, two parcels of Spanish bitters were withdrawn at 75s. per cwt., "in bond." Seven bales of sweet Spanish ringlets retired at 4d. per lb.

QUINCE SEED.—Only three bags of Cape were offered of fair quality and were taken out at 2s. 3d. per lb.

RHUBARB.—Continues steady, but quiet. Twenty packages offered and retired. Shensi, round, at from 4s. 9d. to 5s. per lb., and pickings at 4s. per lb. High dried, of varying fracture, at from 2s. 3d. to 2s. 5d. per lb., duty paid. A parcel of ten bales China Rbapontica was held for 8d. per lb., duty paid.

SARSAPARILLA.—In very small compass. Only three bales of Jamaican native were offered at 1s. 3d. per lb. Four serons of Honduras were held for 1s. 3d. per lb, duty paid.

SENN.—There was a limited quantity of Tinnevely offered. Bold off-colour leaves were available at 4½d. per lb. and darkish hand-picked pods at 3½d., and fair average quality pods at 2½d. per lb.

STROPHANTHUS SEED.—A parcel of good green 100 per cent. Kombé seed retired at 3s. 3d. per lb.

The next drug auction will be held at the Commercial Sale Rooms, Mincing Lane, on Thursday, November 24.

U.S.A. Imports of Toilet and Cosmetic Materials

THE following returns of values of imports into all ports in the United States of America of raw materials used in the toilet and cosmetic industry, during the years 1932 to 1936, have been issued by the Department of Commerce, Washington:—

Product	1932	1933	1934	1935	1936
Floral essences and concretes ...	313	376	596	605	688
Ambergris ...	2	—	4	6	7
Mixtures containing essential or distilled oils or natural or synthetic aromatics ...	343	419	718	547	599
Castile soap ...	158	176	212	232	183
Artificial muk ...	—	—	—	—	35
Artificial helio-rope, safrol, etc. ...	42	37	46	87	48
Musk in grain or pod ...	10	35	64	70	46
Givet ...	9	6	11	17	10
Cassia and cinnamon oils ...	158	200	243	347	314
Geranium oil ...	463	480	692	563	545
Rose oil ...	105	205	206	273	263
Bergamot oil ...	73	91	105	135	183
Citronella and lemongrass oils ...	483	663	724	579	425
Lavender and spike oils ...	228	385	704	509	851
Lemon oil ...	123	161	136	131	188
Orange oil ...	112	110	154	171	189
Bitter almond oil ...	20	35	25	29	52
Anise oil ...	40	54	53	78	78
Camphor oil ...	111	85	127	206	191
Caraway oil ...	9	20	14	24	26
Ylang-ylang oil ...	48	78	124	161	133
Bois de rose ...	109	148	192	178	149
Orange flower or neroli ...	38	30	55	44	65
Origanum ...	27	33	99	80	47
Palmarosa ...	7	8	10	11	14
Petitgrain ...	28	52	111	51	37
Rosemary ...	37	53	59	81	57
Thyme ...	29	14	9	14	17
Clove ...	16	10	8	5	33
Eucalyptus ...	33	40	70	68	82
Patchouli ...	16	10	16	10	27
Pine needle ...	2	13	10	19	49
Artificial sassafras ...	—	—	—	—	89
Vetiver ...	4	12	32	43	46

In thousands of dollars.

Commercial Notes

EGYPTIAN HENNA INDUSTRY.—Henna is harvested twice each year in Egypt, the first crop being gathered in September and the second in December, the former being the most important. Practically all of the producing area is located in Lower Egypt. Area planted to henna and the output during the crop year ended August 31, 1937, increased substantially.

Year ended August 31	Area in Feddans*	Yield in lb.
1933	1,228	1,006,700
1934	1,535	1,012,000
1935	1,493	891,550
1936	1,455	980,685
1937	1,560	1,249,000

* (1 feddan equals 1,034 acres).

Exports of henna from Egypt during the past two years have been as follows:—

Country	1936		1937	
	Kilograms	Egyptian £	Kilograms	Egyptian £
France	456,797	11,506	367,441	9,843
United States	159,752	3,593	149,544	3,741
United Kingdom	24,338	604	37,052	998
Other countries	397,676	9,760	573,660	15,414
Total	1,038,563	25,463	1,118,697	29,996

U.S.A. EPHEDRA HERB IMPORTS.—Imports of ephedra during the first quarter of 1938 totalled 351,312 lb., valued at \$24,142, which compares with arrivals of 135,051 lb., valued at \$3,005, in the corresponding period of 1937. All of the amount imported in the first quarter of 1937 came from China. Details of the sources of the 1938 arrivals were as follows:—

Source	January 1938		February 1938		March 1938	
	lb.	\$	lb.	\$	lb.	\$
China	24,400	1,699	12,897	909	45,142	3,272
Japan	19,784	1,022	30,400	2,118	42,534	2,702
British India	—	—	—	—	176,155	12,420
Total	44,184	2,721	43,297	3,027	263,831	18,394

U.S.A. CAMPHOR IMPORTS, JANUARY-MARCH, 1938.—Imports of the crude and refined natural product and the synthetic for the first three months of the past five years were as follows:—

First Quarter	Natural Crude		Natural Refined		Synthetic	
	lb.	\$	lb.	\$	lb.	\$
1934	931,085	208,429	509,324	177,791	106,496	44,498
1935	455,424	123,184	491,648	183,617	275,345	108,397
1936	846,032	224,063	220,988	102,395	573,312	189,267
1937	805,556	225,345	432,676	192,292	293,567	106,292
1938	223,414	70,751	284,665	137,874	250,960	85,384

U.S.A. IMPORTS OF COD-LIVER OIL.—Imports during the years 1928 to 1937 were as follows (in thousands of gallons):—

Origin	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
Total	2,579	2,860	2,895	1,737	1,248	3,433	3,470	4,607	5,790	5,916
Denmark	1	7	22	63	39	371	452	125	45	27
Germany	191	208	222	143	143	533	694	1,091	1,085	1,037
Iceland	117	173	413	106	827	2,404	1,939	2,407	2,821	2,858
Norway	1,199	1,909	1,796	1,140	80	14	256	610	1,358	1,432
United Kingdom	348	121	80	47	14	86	53	54	55	72
Canada	273	123	168	223	146	—	—	—	—	—
Newfoundland and Labrador	386	297	216	60	78	36	64	168	147	89
Japan	—	2	—	9	—	—	2	45	212	212
Miquelon and St. Pierre	18	—	—	—	—	1	6	6	4	*

* Less than 1,000 gallons.

EGYPTIAN BEES' WAX.—During the past two years research work has been conducted by the beekeeping section of the Ministry of Agriculture for the purpose of raising the standards of beeswax. Its principal apiary at Giza, near Cairo, and the various apiaries at other places were opened to beekeepers for instruction purposes. The Beekeeping Section has a principal store in the Ministry of Agri-

culture, Cairo, with branches at the Agricultural Inspectorates. Total exports of the classification designated "beeswax and wax of other insects" for the year 1937 were 126,909 net kilogram, valued at £E.14,958 as compared with 186,557 kilogram, net, valued at £E.21,931 during 1936. The United States is the principal purchaser of Egyptian beeswax, taking 120,845 kilogram, net in 1936 and 167,317 kilogram, net during 1937.

HONG KONG ANISE OIL TRADE.—Arrivals at Hong Kong, all of which came from South China, totalled 745,000 lb. in 1937, compared with 526,000 lb. in 1936. The increase is stated to have been due to the disturbed conditions in the country, which made it expedient to dispose of stocks at the sources as quickly as possible. World exports from Hong Kong during 1936 and 1937 were as follows:—

Destination	1936	1937
	Lb.	Lb.
United States	146,897	119,837
Germany	85,579	119,570
United Kingdom	87,845	88,911
Japan	8,531	21,001
France	68,116	22,661
Australia	13,597	19,195
All other destinations	54,919	54,520

ITALIAN ESSENTIAL OIL EXPORTS.—Exports, according to an unofficial report, during 1936 and 1937, were as follows:—

Product	1936		1937	
	Kilog.	Lire	Kilog.	Lire
Orange	23,141,000	1,731,000	30,801,000	3,338,000
United States	7,976,000	603,000	4,143,000	474,000
Germany	6,634,000	475,000	9,356,000	1,068,000
United Kingdom	1,122,000	110,000	8,955,000	913,000
Bergamot	131,252,000	8,215,000	128,741,000	16,393,000
United States	36,999,000	2,053,000	32,258,000	4,228,000
France	37,533,000	2,697,000	41,349,000	4,550,000
Germany	26,696,000	1,314,000	13,027,000	1,780,000
Lemon	244,586,000	12,358,000	270,526,000	28,433,000
United States	98,216,000	4,428,000	43,717,000	4,651,000
Germany	45,754,000	2,069,000	40,776,000	4,526,000
United Kingdom	34,476,000	2,442,000	91,706,000	4,428,000
France	27,570,000	1,501,000	44,549,000	4,593,000
Mandarin	8,299,000	1,079,000	9,042,000	1,782,000
United States	2,016,000	267,000	475,000	86,000
United Kingdom	2,324,000	331,000	425,000	955,000
Other citrus oils	1,405,000	128,000	3,876,000	425,000
Peppermint	7,323,000	819,000	14,988,000	2,116,000
Rose	18,000	1,000	205,000	11,000
Other essential oils	15,914,000	1,148,000	27,656,000	3,037,000

UNION OF SOUTH AFRICA TRADE, 1937.—The annual statement of trade of the Union of South Africa for 1937, compiled by the Customs and Excise, Pretoria, contains the usual detailed report of imports and exports from and to all destinations. The following details have been extracted from the report. The total seaboard trade of the Union during 1937 amounted to £228,742,082, compared with £200,467,594 in 1936. Imports amounted to £103,382,242 and exports £125,359,840 last year.

Imports from the United Kingdom totalled £40,866,000, or 42 per cent.; from United States of America, £19,978,000, or 20.5 per cent.; from Germany, £5,315,000, or 5.5 per cent.; from Japan, £3,869,000, or 4.0 per cent.; and from Canada, £3,420,000, or 3.5 per cent. Imports from the United States show an increase from £12,700,000, or 17.7 per cent., in 1935, to £19,978,000, or 20.5 per cent., in 1937. During these years imports from the United Kingdom have decreased from 48 per cent. to 42 per cent. of the total landings.

The value of United Kingdom drugs, chemicals and fertilisers landed in 1937 was £1,628,092, or 44.7 per cent. Imports of these classes of goods from foreign sources totalled £1,785,582. Imports of U.K. OILS, WAXES, RESINS, PAINT and VARNISH amounted to £933,953, or 15.2 per cent.; foreign imports amounted to £4,728,053, or 77 per cent. of the total imports.

Some 1937 imports of interest include AGAR: £700 (U.K., £17; Germany, £220, and Japan, £284). MEDICINAL PREPARATIONS (non-spirituous): £338,590 (U.K., £190,391; Germany, £58,583, and U.S.A., £70,811). MEDICATED OILS: £6,670 (U.K., £653; U.S.A., £3,655, and Germany, £1,292). PERFUMERY and TOILET PREPARATIONS: £223,477 (U.K., £138,903; France, £16,953; Germany, £3,241, and U.S.A., £60,316). TOOTH POWDER, PASTES and WASHES: £89,280 (U.K., £77,643; U.S.A., £10,793).

Exports from the Union of South Africa included MEDICINAL PREPARATIONS: £8,775 (Southern Rhodesia, £7,247). ALOES: 925,272 lb., valued at £21,452 (U.K., £2,521; Germany, £9,671; Italy, £1,817; France, £1,402, and Japan, £1,247). BUCHU: 248,420 lb., valued at £18,918 (U.K., £7,322; U.S.A., £8,391; and Germany, £1,684).

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Warning

SIR,—A gentleman called at my shop and explained that having had his camera stolen he required a new one immediately and suggested that as he had no cash on his person the camera should be delivered by my messenger, who could accompany him to his city office where the money would be paid over. Instead of cash, my messenger was given folded paper in a sealed envelope. It appears this man is practising this deception habitually, but has only just taken to chemists' shops. Another method is to take the messenger to some city premises, enter by one door and leave by rear exit, leaving the messenger waiting. The police description of the man suspected is: Born 1892, five feet eight inches in height, fresh complexion. Hair brown, turning grey, bald on top. High forehead. Eyes grey, sometimes wearing glasses. Straight nose. Small chin with dimple. Thick lips. False teeth showing upper denture gum. Long face. Small grey moustache. Scar on right forearm. Mole on left cheek. Stutters slightly. Sometimes wears clerical dress and interested in saxophones.—Yours faithfully,

J. ETHERINGTON CANT.

London, W.C.1.

A.R.P. Duties in the Pharmacy

SIR,—Among all the discussions which have been raised on the part the chemist may take in A.R.P. duties, it has been left to you to point out that until trained he is in no better position than any other person (*C. & D.*, June 11, p. 675). That this is so might have been deduced from the fact that wherever chemists have been enrolled for A.R.P. duties locally they have been placed under the direction of some official, such as the air-raid precautions officer or the chief constable of the district, and it is from these officials that chemists have to take their instructions. There can be no quarrel with this arrangement, because in the case of a national emergency there must be uniform control and a co-ordinated system, otherwise there would arise a condition of chaos, but it shows that chemists cannot expect to be considered as a class differing in any respect from other helpers. At the same time, if the officers in charge of these arrangements were to follow out the Government idea of the duties of chemists, and were to order them to remain in their pharmacies, then I think we should have some further detailed information as to what is expected from them in the nature of advice or help from behind the counter, especially when the chemist has taken out a course of instruction in both air-raid precautions and first aid.—Yours faithfully,

AERAYD (12/6).

Problems in Advertising

SIR,—It is reported from Bradford (*C. & D.*, June 11, p. 662) that the question of co-ordinated advertising throughout the district has been discussed. One suggestion was that at the bottom of the advertisement there should appear the wording "Buy from the chemist." People always refer to the "chemist" when speaking of the pharmacist in business, but this does not mean necessarily that they are aware of his qualification and his right to the title, so that any reading matter which might accompany the advertisements ought to be worded with the object of informing readers accordingly. At the same time, it is an unfortunate failing of pharmacy that the professional side of our calling, that is dispensing and the sale of poisons, is the less profitable one, while the sales that provide the greater part of our income, namely sundries and sidelines, are those for which no particular training is required and which can be transacted by any kind of shopkeeper. So that it is necessary to choose whether advertising space is likely to be used to the best advantage as an educational medium or as a direct means of selling goods. In the first case there is little prospect of an immediate monetary return, it is purely and simply an act of casting one's bread upon the waters in the hope of securing some future benefit, while in the second there is the difficulty of knowing if the sales are directed to pharmacies or to other shops.

Yours faithfully,

VIA MEDIA (12/6).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. R. B. (23/44).—STORAGE OF WATER IN IRON TANKS.—The presence of lime in hard water prevents the destructive action which soft water normally has on iron, lead and zinc. Soft water does not attack metals if it contains no carbonic acid gas dissolved in it, but as water has a great affinity for this gas they are always very closely associated. When lime is present, however, the gas, which has a greater affinity for the latter than for the metal, is inactivated. We think, therefore, that you could overcome the risk of rusting in the storage tank by stirring a little lime in the tank and allowing it to remain at the bottom during storage.

E. D. (6/5).—RESTRICTIVE AGREEMENT.—It is not possible for us to give a definite answer to your question on the facts before us. Such agreements are valid and enforceable only if the restriction which they impose is not wider than is reasonably necessary for the protection of the party in whose interests they apply. Whether or not a restriction is reasonable is a question of fact to be determined by the Court in each case, having regard to all the material circumstances, such as the nature of the business, the character of the locality, and the status of the parties.

F. H. F. (16/5).—CULTIVATION OF MEDICINAL PLANTS.—The following books may be of use to you: Rohde's "A Garden of Herbs: a Practical Handbook to the Making of an Old English Herb Garden, together with Numerous Receipts from Authorities," Cape, 7s. 6d.; Teetgen's "Profitable Herb Growing and Collecting," "Country Life," 5s.

W. R. S. (13/5).—CODEINE AS A DANGEROUS DRUG.—The order, which was published in the *C. & D.*, April 24, 1937, states: "... it is hereby ordered and declared, that Part III of the Dangerous Drugs Act, 1920, shall after the first day of May, 1937, apply to any preparation, admixture or other substance (except syrupus codeinae phosphatis, B.P.C., 1934) containing any proportion of methylmorphine (commonly known as codeine) or ethylmorphine (commonly known as dionin) associated with any inert substance whether solid or liquid, and to any preparation, admixture or other substance containing more than 2.5 per cent. of methylmorphine or ethylmorphine (calculated as pure drug) associated with any other medicinal substance in the same manner as the said Part III applies to the drugs mentioned in subsection (1) of Section 8 of the Dangerous Drugs Act, 1920."

W. C. L. (10/6).—COCAINE EYE DROPS.—Factory cocaine eye drops are exempted from the Dangerous Drugs Act Regulations, but they still remain a Part I poison and must only be supplied under the conditions relating to such poisons.

Retrospect of Fifty Years Ago

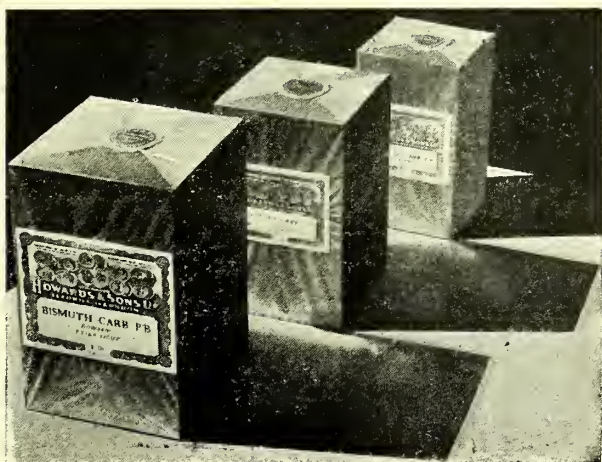
Reprinted from

"The Chemist and Druggist," June 16, 1888

The Otto of Rose Crop

The Bulgarian rose harvests have been, on the whole, very favourable ones during the last few seasons, and since 1877, which was one of the worst years on record, there were only two really bad crops, viz., those of 1879 and 1882, which yielded only about 31,000 oz. each, whereas the average for the last ten seasons has been fully 57,000 oz., an average which was largely surpassed in 1887. At the same time, the price of the otto has fallen nearly 50 per cent. since 1883, and has now reached an almost unprecedentedly low level. Yet, in spite of its cheapness, the consumption of otto of rose does not apparently show much capacity of expansion, and it would, therefore, seem as if the time were rather badly chosen for attempting to introduce otto-distilling as a new industry in different countries. The German rose-plantations, about which so much was written a few years ago, do not seem to have been remarkably successful; but we announced the other day that the Russian Government were about to try rose-growing on a large scale in the Caucasus, and it also appears that the old plantations at Broussa, in Asia Minor, and in the neighbourhood of Cantilla, on the Asian shore of the Bosphorus, are being considerably extended by Turkish cultivators.

HOWARDS' BISMUTH CARB. B.P.



in three densities :

1 lb. = 32 ozs. (fluid)

1 lb. = 50 " "

1 lb. = 80 " "

A fine, white, smooth powder, ideal for mixtures. Deposits lightly, and is quickly and evenly diffused on shaking, giving great uniformity of dosage. Guaranteed fully up to the B.P. 1932.

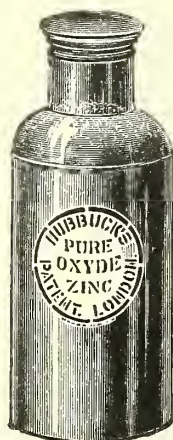
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BROMIDES

Competitive
Prices

IODIDES
MERCURIALS

Finest
Quality

Manufactured by
HOWARDS & SONS LTD (Est. 1797) - ILFORD



Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is
warranted to contain upwards of

99.9 PER CENT.

of pure oxide; in fact, the
impurities are not traceable

Thos. Hubbuck & Son, Ltd.

ESTABLISHED 1765

24 Lime Street, London, E.C.3

MANUFACTURERS OF WHITE LEAD, WHITE
ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

Australian Office: 34 Queen Street, Melbourne

*Sold by the following Wholesale Druggists
in Boxes of 7 lb. and 14 lb. stamped by
the Manufacturers: also in 1-lb. Boxes
and 1-lb. Glass Bottles:*

Allen & Hauburys, Ltd.	Hirst, Brooke & Hirst, Ltd.
Ayrton, Saunders & Co., Ltd.	Horner, L. A., & Sons
Bell, Jno., & Croyden	Huskisson, H. O., & Co.
Bell, John, Hills & Lucas, Ltd.	Lothouse & Saltmer, Ltd.
Bleasdale, Ltd.	Mackay, Jno., & Co., Ltd.
Boots Pure Drug Co., Ltd.	May, Roberts & Co., Ltd.
British Drug Houses, Ltd.	Oldfield, Pattinson & Co.
Brook, Parker & Co., Ltd.	Pinkerton, Gibson & Co., Ltd.
Burgoyne, Burbidges & Co., Ltd.	Potter & Clarke, Ltd.
Butler & Crispe, Ltd.	Raines & Co.
Cockburn & Co., Ltd.	Raines, Clark & Co., Ltd.
Dakin Brothers, Ltd.	Ravkin & Bonland
Duncan, Flockhart & Co.	Silversides, R. B. G.
Evans, Gadd & Co., Ltd.	Smith, T. & H., Ltd.
Evans Sons Lescher & Webb, Ltd.	Southall Bros. & Barclay, Ltd.
Ferris & Co., Ltd.	Sumner, R., & Co.
Gale Balss & Co., Ltd.	Taylor, Jas. (Tringate), Ltd.
Glasgow New Apothecaries Co.	Thompson, John, Ltd.
Goodall, Backhouse & Co., Ltd.	Wilkinson & Simpson, Ltd.
C. R. Harker, Stagg & Morgan, Ltd.	Willows, Francis, Butler & Thompson, Ltd.
Harkness, Beaumont & Co., Ltd.	Woolley Jas., Sons & Co., Ltd.
Hatrick, W. R., & Co.	Wright, Layman & Umney, Ltd.
	Wyleys (Lim.)

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155, Varick St., New York
Lehn & Fink, Inc., N. York
McKesson & Robbins, Inc.,
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Muth Brothers & Co., Balti-
more
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TECHNICAL
OILS

PURFINOL LTD.

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Telephone: Temple Bar 1318 & 1319

Cables: "Invatore, Rand, London"

"Eagle" Brand Chemicals

B.P.
PRECIPITATED
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B.P.
EPSOM SALTS
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JOHN RILEY & SONS, LTD.

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FINE CHEMICALS & OPIUM DERIVATIVES

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ETHYLMORPHINE • GINGERINE • JALAP RESIN • LEPTANDRIN •
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SANTONIN • SCAMMOMY RESIN • STRYCHNINE AND OTHER
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Goods covered by Dangerous Drugs Acts offered subject to all regulations

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"Graesser"
QUALITY

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ICE CRYSTALS
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CRESYLIC ACID

META-PARA CRESOLS
ORTHO CRESOL
XYLENOL MIXTURES
etc., etc.

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All our products are made under strict laboratory control and direct supervision of technical experts. We are specially equipped to produce Salicylates of the finest quality and to give attentive service and prompt delivery

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SALICYLATES

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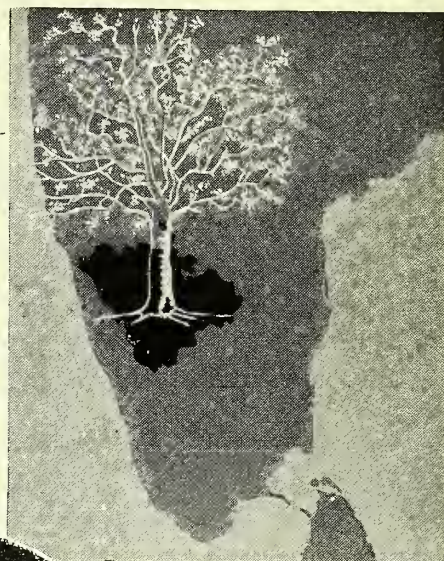
We solicit your enquiries and orders for both B.P. and commercial qualities

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Modern factories under expert government supervision allied to experience in the production of Sandalwood Oil have made Mysore famous throughout the world for this important perfume base. Mysore Sandalwood Oil contains a guaranteed minimum of 90% Santalol, is standard in quality and is acknowledged by experts to be the finest anywhere produced.

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FINEST QUALITY

METHYLATED SPIRIT

ALL STRENGTHS IN
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**PACKED OR
IN BULK****TABLETS****(Compressed)**

● Specialists for over 30 years in all kinds of Medicinal Tablets. Purity of Drugs and Accuracy of Dosage Guaranteed. Let us put up your own Speciality in Tablet Form. Secrecy of Formula Guaranteed.

SPECIAL LINES—HEART SHAPE INDIGESTION TABLETS (IN GENERAL FAVOUR).

A 6d. LINE IN DOG MEDICINES. SPECIAL SHOW BOX 3s. 6d. 1 DOZ. BOTTLES (ASSORTED)
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THE IMPROVED "PREMIER" TABLET MACHINE

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THYMINIC ACID - HEXAMETHYLENE - TETRAMINE - LYSIDIN



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Liquorice Juice

The Chemist's Brand

Should any enquiries as to the composition of SOLAZZI be received from the public, Chemists are requested to emphasise the fact that SOLAZZI is not included in the category of Secret Remedies, and that the following guarantee obtains with every parcel.

Solazzi Juice is

guaranteed to consist entirely of the condensed extract of finest Calabrian Liquorice Root, without any admixture whatever

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Water-White

Made in England by

**THE PREMIER OIL
EXTRACTING MILLS**

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"Nothing nasty . . . it's for the children"

'Dettolin' gargle and mouthwash has a great advantage. In spite of its high germicidal efficiency it is very agreeable to use.

'Dettolin' contains among other ingredients the active germicidal principle of 'Dettol' - the modern anti-septic.

'Dettolin' can be recommended with confidence for conditions of the mouth and throat: it is gentle and soothing on delicate mucous membranes.

PRICE

'Dettolin' is packed
in attractive bottles

9⁰ & 1¹/₃

FORMULA: Dimethyl Chlor Phenyl
Hydrate 1.02%, Menthol 0.12%, Sapo
Vegetalis 0.5%, Tinct. Rosae Aromatica
64.9%, Elixir Glusidi B.P.C. 6.0%,
Aqua dest. ad. 100 vols.



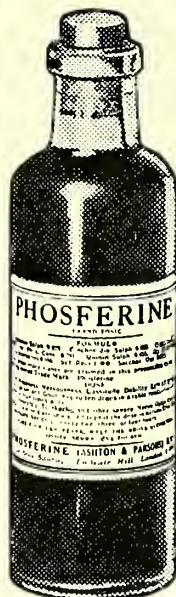
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PHOSFERINE is *always* in demand

The need for Phosferine continues throughout the year—grows in fact, day by day, because of the increasing strain of modern life.

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*It is wise to
see that you hold
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The Greatest of all Tonics
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A Standard Remedy for . . . COLDS, CATARRH & HAY-FEVER



Ephedrol, by application direct to the affected part, provides really speedy relief. It is inhaled from a patent nasal bottle—a method of treatment which is safer and more hygienic than a spray dropper or nasal douche—and has been endorsed by leading laryngologists and medical authorities.

**78% PROFIT
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Per doz.
3/- retail - 23/-
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Bonus of one to every doz.
Carriage paid on 3 doz.



A Chemists' Friend
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To the Chemists, Ephedrol offers generous profit—and the prestige which always follows the sale of a good product. Printed matter and display material are available.

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Also from your usual wholesaler.

C.E. 83

Paraffinum Liquidum B.P.

ALL
GRADES
SAMPLES & PRICES

On application
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SUGAR
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LEMON

HALIBUT LIVER OIL

GUARANTEE. We guarantee the purity of every Halibar we make. Only the **FINEST QUALITY HALIBUT Liver Oil** is used and every fresh consignment is tested for purity and vitamin content before use. **PURE** (not synthetic) lemon juice, sugar and glucose only are ever used in Halibars.

J. BOTTOMLEY & SONS LTD., Keighley, Yorks

J. BOTTOMLEY & SONS LTD.
VICTORIA PARK WORKS, KEIGHLEY

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Note these new generous DISPLAY DISCOUNTS on the trade prices for 'Alka-Seltzer,' the pleasant, doubly-effective remedy for Indigestion, Headaches, Tired Feeling, Neuralgia, Rheumatic and Nerve Pains, etc., which is rapidly becoming one of the best sellers in this market.

The display discounts shown on the left are granted in consideration of one week's window or counter display.

ADVERTISING CONTINUES AT FULL STRENGTH

A display of 'Alka-Seltzer' is made doubly effective by the consistent advertising which is appearing in all the principal National Daily, Sunday and Weekly papers and in most of the leading Provincial Dailies and Weeklies, in addition to regular weekly broadcasts from Radio Normandy and Radio Luxemburg. This widespread publicity will be continued at full strength, so don't be left out of the growing demand for 'Alka-Seltzer.'

*Order To-day—
and make a Display !*

Alka-Seltzer'

BRAND

Effervescent Alkalising and Analgesic Tablets

RETAIL PRICES

1/- & 2/-

12 TABLETS

30 TABLETS

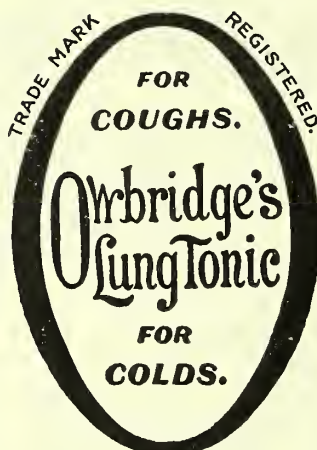


Sole Distributors: DON S. MOMAND LTD., 10-15 Chitty Street, London, W.1.

ALWAYS IN GREAT DEMAND**COST PRICE**

1 gross 1/3 -	£6 12 0
1 doz. 3/- -	£1 7 0
	£7 19 0

Carriage Paid
Terms: C.W.O.

**SELLING PRICE**

1 gross 1/3 -	£9 0 0
1 doz. 3/- -	£1 16 0
	£10 16 9
<i>Cost</i>	£7 19 9
PROFIT	£2 17 0

The sale of this famous remedy is ever increasing
Quick sales mean quick profits. Keep well stocked

ALL OUR PREPARATIONS CARRY A GOVERNMENT STAMP

You can stock and sell Owbridge's Lung Tonic with the greatest confidence

W. T. Owbridge, Ltd., The Laboratory, Hull

**Halibut
Liver Oil**

OF HIGH VITAMIN POTENCY

also Halibut Liver Oil Capsules and Emulsion
Ask for samples and prices

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'ASPRO' consists of the purest Acetyl-salicylic Acid that has ever been known to medical Science, and its claims are based on its superiority.

Made in England by ASPRO LIMITED,
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**We know—
You know—
The
Public
Knows..**



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	Per Gross	Pkt. of 3
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TROPEX	... 21/-	1/6
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Telephone : GERRARD 6258/9

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

JUNE 18,
• 1938 •



IMPORTANT NOTICE

The **ANNUAL SPECIAL ISSUE**,
will be published next week on **JUNE 25th**

Advertisements received
too late for this issue
will be held over for
publication in the issue of

JULY 2nd 1938

In consequence of the additional work entailed in preparing this greatly enlarged edition this Supplement must be put to press much earlier than usual.

Advertisers are requested to co-operate by ensuring that all advertisements for the **JUNE 25th ISSUE** reach Head Office not later than **WEDNESDAY, JUNE 22nd**.

ORRIDGE & CO.

56 LUDGATE HILL, E.C.4

ESTABLISHED 1846

Telephone Nos.: CITY 2283 & 7477

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—**EAST END**.—General Retail Business in Liquidation; turnover averages about £40 per week inclusive of Panel; living accommodation; rent £90 per annum; good, clean stock; inclusive purchase price required £600.

2.—**HARROW (NEAR)**.—Family Retail Business with Photographic and small Panel connexion; turnover last year £1,360; gross profit 33.7 per cent.; stock worth approximately £400; very nicely fitted pharmacy with modern living accommodation over; purchase price required £200, plus stock and fixtures at valuation.

3.—**EPSOM (NEAR)**.—Branch Business for immediate disposal; takings average about £2,000 per annum; net profit at least £400 to managing proprietor; handsomely fitted pharmacy in main road, very close to station; good, clean stock; modern living accommodation; in order to sell immediately the Vendors would consider a close offer to £750.

4.—**CHEAM (NEAR)**.—General Retail Business taking about £3,000 per annum; valuable lease; excellent fixtures; heavy stock; increasing turnover; genuine reason for sale; inclusive purchase price about £1,800.

5.—**BERKSHIRE**.—Country Retail Business; nearest opposition 8 miles; net profit about £7 per week; excellent living accommodation; beautiful garden, lawn, fruit trees; rent £48 per annum; accountant's figures available; price required £650. **Part payment terms entertained.**

6.—**CHELMSFORD**.—General Retail Business in excellent position; takings last 14 months £2,628; gross profit £924; rent £150; inclusive purchase price required £1,650; dissolution of partnership; net profit about £600 per annum to managing proprietor.

7.—**FOREST HILL (DEATH VACANCY)**.—Cash Retail Business for immediate disposal; turnover over £1,300 per annum; scope; leasehold premises also for sale; ground rent £10 per annum; lease 36 years unexpired; stock and fixtures worth about £375; inclusive purchase price of business and property £950, or offer; a lease might be granted; offers invited.

8.—**READING**.—Owing to the decease of Mr. Herbert Dyson, his Good-class General Retail Business is for immediate disposal; turnover about £2,700 per annum; full particulars upon application; new lease; sole agents.

9.—**HACKNEY**.—General Retail Business, main road; takings last year £2,034; gross profit £743; rent £120; inclusive purchase price required £500; valuable stock and fixtures; vendor leaving pharmacy.

10.—**GRAVESEND**.—Ill-health necessitates the early sale of a General Retail Business with an increasing turnover; takings this year £1,750; stock £600-£700; fixtures £175; modern living accommodation; new lease; inclusive purchase price £1,000, or near offer.

11.—**FINSBURY PARK (NEAR)**.—General Retail Business with excellent Panel; established 1870; turnover last year £1,564; net profit £380; certified figures; heavy stock; excellent living accommodation; rent only £70 per annum; inclusive purchase price required £850 all at, or near offer; vendor buying another business.

12.—**WESTCLIFF-ON-SEA**.—High-class Retail Business; takings for last completed year over £3,400; stock worth over £1,000; attractive fixtures; reasonable rent and advantageous sublet; inclusive purchase price £2,300 or near; vendor buying another business in Wales.

13.—**HACKNEY**.—Middle- and Working-class Cash Retail Business; takings, present rate, about £28 per week; good profits; stock worth about £600 can be reduced to suit purchaser; excellent house over; no reasonable offer refused; **part payment terms entertained.**

14.—**ILFORD (NEAR)**.—Middle- and Working-class Cash Retail Business; heavy Panel; takings last year £2,025; stock £500; living accommodation; garage; rent £80 per annum; inclusive purchase price required £950; April, 1938, £17 up on April, 1937. Income tax net profit nearly £500 for year just completed.

15.—**BIRMINGHAM**.—For immediate disposal at bargain price; Middle-class Cash Retail Business; takings last year £1,390; gross profit £526; new Lease at £80 per annum; sublet 15s. per week; stock worth about £300; valuable fixtures; price £400 all at or near offer; excellent opportunity.

16.—**SOMERSET**.—Village Business for sale; takings last year £1,025; net profit £300; price required for the business about £650; no near opposition; spacious living accommodation; property can be purchased or leased; vendor buying a larger business.

17.—**BUCKS**.—Family Retail Business; takings last year £1,162; net profit nearly £300; stock and fixtures £460; rent only £75 per annum; advantageous sublets; inclusive purchase price approximately £700 or valuation terms entertained; Vendor retiring.

18.—**BRIGHTON (LIQUIDATION)**.—Good-class Chemist Retail Business; old established; takings for last completed financial year £1,830; excellent living accommodation; fair stock; price asked £500, s.a.v.; details and introduction to local Agents upon application.

19.—**WANSTEAD (NEAR)**.—Middle-class Business in main road; takings last year £2,344; beautifully fitted pharmacy; modern living accommodation; offers invited; genuine reason for sale; bargain price.

20.—**CAMBS (RETIREMENT VACANCY)**.—Good Middle-class Business; turnover last year £1,200; net profit £306; stock and fixtures worth £450; nice living accommodation; new lease; inclusive purchase price required £800; scope for younger man.

21.—**YORKS (WEST RIDING)**.—Exceptional opportunity for young man; Middle-class Business; well-established; takings last year £1,863; stock and fixtures worth £450; rent £30 per annum; inclusive purchase price asked £550, or valuation terms entertained.

22.—**NORTH WOOLWICH (RETIREMENT VACANCY)**.—Cash Drug Store showing a net profit of approximately £300 per annum; proper books kept; rent of shop only £21 per annum; attractive fixtures and good, clean, saleable stock; sacrifice price £400; excellent opportunity for young qualified pharmacist.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate, Sales by Auction

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants

ERNEST J. GEORGE & Co.

Lancashire and District Representative: Mr. E. BROWN, 21 Davenport Road, Hazel Grove, Stockport. Telephone: Great Moor 2405

Bank Chambers, 329 High Holborn, London, W.C.1
Telephone Nos.: Holborn 7408 & 7407 (2 lines)
County Bldgs., Bridge St., Walsall Telephone: Walsall 3774

(C1) KINGSWAY (NEAR).—Good-class Business, occupying strategic position in very busy thoroughfare; increasing turnover; returns for current financial year should exceed £6,000, and the business has by no means reached its zenith; rent £600, plus rates; quick sale essential for genuine reasons, which can be fully explained at an interview, and owner is prepared, in consequence, to sell at a sacrifice; full particulars upon application.

(C2) CAMBRIDGESHIRE.—Established Good-class Dispensing Business, with genuine scope; turnover (certified) for last financial year £2,379; gross profit £990; net (to owner-proprietor) £686; price £1,800, including stock £750, and fixtures £300-£350; valuation terms if preferred; very near offer considered.

(C3) STOKE NEWINGTON.—Old-established Family Business with increasing turnover, now at the rate of approximately £1,500 per annum; extensive living accommodation, which could be converted into two flats if desired; garden and garage; rent £90; long lease (inside repairing only); price £800-£900; £500 or near down and balance by arrangement; offers considered.

(C4) BEXLEY HEATH (NEAR).—Branch business, excellently fitted, and of attractive appearance; turnover for 1937, £1,499; gross profit £515; up-to-date flat; stock and fixtures estimated at £800; price £850-£950, part of which could remain.

(C5) GLOUCESTERSHIRE (DEATH VACANCY).—Old-established; turnover approximately £1,500 per annum; prominently situated Pharmacy with living accommodation; rent £80 or property can be purchased at very reasonable figure; little opposition; price £850 all-at.

(C6) ENFIELD (NEAR).—Steadily increasing middle-class business; turnover (certified) for 1936-37, £1,937; gross profit £730; net £475; moderate living accommodation; rent £78; price £950 or near offer; property not modern, but as a profit-earner, the business is above the average and is still increasing.

(C7) WOLVERHAMPTON.—Suburban business with living accommodation, situated in rapidly developing area; present returns approximately £22 weekly; lease will be granted at rent of £80 per annum, or property can be purchased for £1,000; no near opposition; reasonable purchase price (by negotiation).

(C8) SOMERSET.—Village business with excellent scope; situated amid beautiful country surroundings; present net profit approximately £300 per annum; living accommodation; reasonable purchase price.

(C9) BERKSHIRE.—Present returns approximately £2,000 per annum under management; good scope with personal attention; rent £100, including small house with garden and garage; lease 21 years; stock estimated at £700; fixtures £250; price £1,250 all-at; owner will, if necessary, accept £800 down and the balance by arrangement.

Valuations for transfer, probate, income tax, etc., promptly executed at economical rates

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CHEMISTS' VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—HANTS COAST.—Good middle-class Business, in main-road position; returns average £1,750, net profit £400; good house; well stocked; price about £1,100.

2.—NORTH MIDLANDS.—Well-established light Retail, in busy market town; returns past 12 months £1,620, net profit £350; rent £60; lock-up shop; stock worth over £400; price £800 or valuation terms.

3.—BLACKPOOL.—Well-established light Cash Retail, in splendid position; turnover averages £1,850; good profits; books audited; stock and fixtures worth £700; price £900 for early sale; owner entering wholesale.

4.—YORKS (W. RIDING).—Old-established Business, neglected, under managers; returns average over £750, net profit £250; plenty of scope to do £1,300; low rent; owner retiring; price £550 or valuation.

5.—WESTCLIFF (near).—Good middle-class Business, in good main-road position; returns £1,172; books audited; rent £78 clear; bold corner shop, well stocked; price £600 or valuation.

6.—BERKS.—Unopposed village Business; no N.H.I.; returns about £950, net profit £300; good house, garden and garage; rent £48; good working stock; price £650 or offer.

7.—WEST MIDDLESEX.—Good-class suburban Retail, with Optics; turnover £50 weekly, net profit £600; attractive shop, with flat over; owner leaving trade; price £1,600.

8.—LONDON, W.—Old-established Family Retail Business; very profitable; returns nearly £1,100; low overheads; valuable lease; owner retiring; price £525 or offer.

9.—CANNONBURY (near).—Light Cash Retail, with good Panel; returns approach £2,000, net profit £450; smart double-fronted shop, fully stocked; price £950 or close offer.

10.—WIMBLEDON (near).—Good middle-class Business, returning over £1,000, net profit over £250; nice house and shop; well fitted and fully stocked; price £575.

11.—LONDON, S.E.—Well-established Drug Store, in thickly populated district; takings £14 weekly, scope for increase, especially in Qualified hands; rent and rates covered by sublets; long lease; price £275.

LOWEST TERMS FOR STOCKTAKING

Estab. 1870.

Telephone: Terminus 3574.

THE ASSOCIATION OF MANUFACTURING CHEMISTS, LIMITED

(Business Agency, Transfer & Valuation Department)

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VALUATIONS, SALES OF BUSINESSES. STOCKTAKINGS.

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BUSINESSES FOR DISPOSAL

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

FINSBURY PARK (near).—Genuine, old-established Drug Stores in thickly populated district; present turnover £800; splendid opening for N.H.I.; low overheads; living accommodation attached; neatly fitted and good working stock; price £275 or first reasonable offer; every investigation courted. Apply "C. B." 328/915, Office of this Paper.

LONDON, E.—Main-road Cash business, very good living accommodation; very well stocked, and shows a good net profit; will accept £1,000 for a quick sale or £400 down, and balance by arrangement. 206/121, Office of this Paper.

LONDON, N.1.—Business in thickly populated working-class district for sale; excellent opportunity for gentleman with limited capital; price for quick sale (lease 21 years from 1929) and goodwill £50; stock and fixtures at valuation (approximately £200); good reasons for disposal. Apply 206/49, Office of this Paper.

LONDON, S.W.—Main-road business for sale, with good house attached; rent £110 per annum; takings last year, under management, £1,380; for a quick sale to a responsible person a deposit will be accepted, and the balance can be paid by arrangement. 206/120, Office of this Paper.

LONDON, W.C.—MUST BE SOLD IMMEDIATELY.—Business occupying leading position in main thoroughfare; turnover now at the rate of about £6,000 per annum, with scope for considerable increase; genuine reason for disposal, and an offer below market value will be accepted. Particulars upon application to 328/914, Office of this Paper.

LONDON, W.1.—Excellent opportunity occurs to purchase nicely-fitted Pharmacy near Baker Street and Oxford Street; established over 50 years; certified returns last year £2,090; good stock; low rent; good-class trade; every investigation invited; price £1,150. Apply 207/9, Office of this Paper.

MANCHESTER.—Good-class business for disposal, on main road; turnover £1,750 under manager; good opening for Optics; good reason for disposal; only genuine buyers need apply. 207/23 Office of this Paper.

MIDDLESEX.—Well-established progressive Cash Retail business, with excellent N.H.I.; Kodak Agency; good D. & P.; valuable Proprietaries; large population, rapidly growing district; returns, 1937, £3,130; returns to May 31, 1938, £1,300; net profit £712 per annum; audited accounts; great scope for increase; opportunity for Optics; large modern double-fronted shop, living accommodation; long favourable lease and reasonable rental; price for quick sale, as owner is purchasing a much larger business, £1,500; valuation terms considered. 207/16, Office of this Paper.

NORTH LONDON.—Cash Drug Store; thickly populated district; definite scope for Chemist; no opposition; Selo Agency; good D. & P.; last year's turnover £850, still increasing; 23½ years' lease at £50 per annum; inclusive cash price £375. 207/17, Office of this Paper.

NORTH LONDON.—Lock-up Pharmacy, old-established Cash business; main road; near railway station; rent £65 inclusive; 18 years' lease to run; turnover £1,150; good profits; panel increasing consistently; excellent Photographic connexion; stock and fixtures worth over £350; will accept £400 or nearest offer; must sell immediately; owner leaving London. 206/1, Office of this Paper.

NORWICH.—Old-established Business for disposal; cash trade approximately £700 per annum; rent £50; stock recently valued £180; good opportunity for Qualified man; late owner deceased. Apply Harman & Gowen, Accountants, 7 Queen Street, Norwich.

SCOTLAND.—Small Wholesale Manufacturing Chemist's Business for sale; good connexion among all leading Scottish Chemists; splendid opportunity for keen young man. For full particulars apply 202/3, Office of this Paper.

S.E. LONDON.—Unopposed business for sale, working-class district; long lease, low rent; Kodak Agency, etc.; modern house; has taken £18 per week; will accept low figure for quick disposal as owner cannot give any attention. 206/28, Office of this Paper.

DRUG STORE.—Returns average £17 weekly; full prices; all cash; lock-up, at trifling rental; no near opposition; fine window space; price to be arranged. Linslade Drug Store, Leighton Buzzard.

GOOD middle-class Cash Business, showing over £500 gross profit, chartered accountant's figures; well established, smart modern lock-up shop, double-fronted; main-road position, within 18 miles London; heavily stocked and well fitted; long lease at £85 per annum; price £950 or near. 205/13, Office of this Paper.

OLD-ESTABLISHED business; 50 per cent. gross profits; well known; heart of West End. 207/18, Office of this Paper.

PROGRESSIVE Chemist Business for sale; heavy N.H.I., Toilet and Photo, Rexall and Trade, D. and P. connexion; very low overhead expenses; inspection any time; genuine reason for disposal; double-fronted corner shop, main road. Apply, Leach & Hargreaves, Chartered Accountants, Darwen. Certified figures available.

WHOLESALE Hairdressers' and Chemists' Sundries, with own Toilets and Domestic Products; South Coast town; established 4 years; splendid opportunity and accommodation for the addition of Proprietaries; main-road premises; established connexion in counties of Hants, Dorset, Devon, Glos, Somerset, Wilts and Berks. 206/7, Office of this Paper.

£275.—CASH RETAIL N.H.I.; established 51 years; owner retiring; conditions for new lease could be discussed; main London road; good position. Particulars from Danwer, 207/5, Office of this Paper.

PREMISES TO LET

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

ILFORD, ESSEX.—Fine opening for Chemist in sound trading position, at very moderate rent. Apply P. E. Brand, Ltd., 345 Eastern Avenue, Ilford, Essex.

RUISLIP MANOR.—Excellent opportunity for Chemist to acquire Shop, with two floors over, in new parade; serving a population of about 20/25,000; shops already let to substantial multiple traders; moderate rent and allowance towards cost of shop front. Particulars and plan from Sole Agents, Hirst, Field & Co., 11 Maddox Street, Regent Street, W.1. Mayfair 5363.

A N Opportunity for Cash Chemist at Edmonton, 1 minute from station, in a parade of shops, with flat over (self-contained); rental only £156 per annum, exclusive; no premium. Apply W. T. A., 17 Delhi Road, Bush Hill Park, Enfield.

N O OPPOSITION.—Modern shop and maisonette in growing district, S.E. London, adjoining S.R. station; well-known multiples represented; rent £150 per annum; also — Prominent corner shop and upper part, 6 rooms and bathroom, in North London; established position; multiples adjoining; only £150 per annum or freehold £1,750 (offers invited). Apply Stuart & Cooke, 1 Dover Street, W.1. Reg. 6441.

SHOPS TO LET at SOUTH RUISLIP, REIGATE, CHATHAM and HORSELL (near Woking); genuine opportunity for Chemist in the above localities; handsome new parades of shops and flats; fronts would be fitted to tenant's reasonable requirements and special terms offered to assist immediate opening. Write, Owner, 203/7, Office of this Paper.

TO ENTERPRISING CHEMISTS

MODERN Shop and Flat, N.W. London, opposite Met. Station; developing district; new front; no competition; low rent. Actual owners, Morris Estates, Ltd., 18 Regent Street, S.W.1. WHI. 3861.

£60 PER ANNUM, plus rates for the first 3 years; 10,000 possible customers for a big shop close to a popular Tube station in a rapidly developing district; landlords will fit a shop front for an approved tenant. For appointment to view and discuss details, write or phone sole agents, Eaton & Partners, Surveyors, 8 Morden Court Parade, London Road, Morden. Mit. 4176.

COMPANY REGISTRATION

I DO not know what to add to what I have been saying consistently in this space for more than 25 years about the advantages of trading on safety lines as a Private Limited Company of two or more persons. If this interests you, please write for my inclusive quotation and full particulars.

A. B. SLACK,

721 PRINCESS ROAD, MANCHESTER, 20.

ANNOUNCEMENT

MR. G. LOXTON GRINSTEAD, M.P.S., wishes to announce that he has disposed of the whole of his Retail Pharmacies and joined the firm of Messrs. Ernest, J. George & Co., Chemists' Valuers, etc., as a partner; he is now available at the firm's London Office, 329 High Holborn, W.C.1.

AGENCIES

AGENT REQUIRED FOR UNIQUE PREPARATION. NO COMPETITION!

ADVERTISER desires connexion with Pharmacist or others with view to marketing Biological Remedy for Falling and Weak Hair; approved by renowned Professor of Dermatology; taken as a medicine; remarkable success in Continental Clinic. Write 327/906, Office of this Paper.

HIGH-CLASS Manufacturer and Importer of Chemists' Sundries requires Agents, with car; experience and references essential; Midlands, Eastern and North-Eastern Counties, North and North-Western Counties; only gentlemen living in the centre of these need apply. 328/910, Office of this Paper.

DIRECTORSHIPS

£5000 INVESTMENT

WILL secure an interest in Company in formation, Manufacturing and Marketing an astounding new medicine with world possibilities; large and permanent profits assured. Principals or Solicitors only reply Y.Z., P.C.B. 285/31, Office of this Paper.

BUSINESS OPPORTUNITIES

YOUNG man offered position as Sales Manager and London Wholesalers' Representative under agreement by progressive, established private company marketing own branded products, and Sales Agents for well-known firms; salary £250 and commission; investment required, £350 in shares (secured); exceptional prospects for right man. Write fully, 206/44, Office of this Paper.

PARTNERSHIPS

ENERGETIC Partner required for old-established Manufacturing Chemist's business; qualification not essential; preference will be given to a live Salesman; full investigation is expected and will be given; capital required for quarter-share, £2,000; no agents. Apply 205/120, Office of this Paper.

LIQUID CLOTH CLEANER and STAIN REMOVER.—Experienced business man seeks co-operation of well-connected firm for the manufacture and sale of Scientific Product (non-inflammable), already in wide demand on the Continent; great possibilities; some capital available. Write "A. T.," c/o John Merbart, Inc., 131 Victoria Street, London, S.W.1.

OLD-ESTABLISHED Continental maker of Pharmaceutical Products wishes to manufacture in England some products of long-established repute, and desires to ally with financially strong partner. P.C.B. 286/2, Office of this Paper.

EDUCATIONAL

8 WELL-PAID POSITIONS (as well as Openings for Private Practices) are being held open for Students of the National School of Chiroprody, at the conclusion of the next period of training, shortly commencing. Full intensive course for complete qualification (M.N.I.Ch.) takes six months, at very moderate fees. Expert medical and technical staff; most modern equipment, and exceptional practical training in Foot Hospitals treating over 100,000 patients annually. Write to-day for Prospectus to Secretary (Dept. 90), National School of Chiroprody, 133 Upper Street, London, N.1.

TENDERS

COUNTY COUNCIL OF THE WEST RIDING OF
YORKSHIRE.
SUPPLY OF STORES, FURNITURE, ETC.

APPPLICATIONS are invited from persons and firms (particularly manufacturers) for permission to be placed on the list of persons and firms from whom the County Supplies Committee may from time to time invite quotations for various kinds of stores, such as Printing, Bookbinding, Motor Cartage, First-Aid Appliances, etc., Engineers' Tools and Stores, Ironmongery, Metals, Hardware, Furniture (School and Office), Soap, Paper (various kinds), Manufactured Stationery, Office Sundries, Textiles, Clothing, Haberdashery, Timber (Soft and Hard), Boot Leather and Leather Goods, Brushes for Cleaning, Chemicals, Drugs, Groceries.

Applications must be made on the official form, copies of which (together with standard conditions of supply) may be obtained from the Manager, County Supplies Department, Cliff Lane, Wakefield, Yorkshire.

Firms who have already applied and have received acknowledgment of the form need not make fresh application.

J. CHARLES McGRATH,
Clerk of the County Council.

County Hall, Wakefield.

APPOINTMENTS

COUNTY COUNCIL OF MIDDLESEX.

ASSISTANT DISPENSER.

REDHILL COUNTY HOSPITAL, EDGWARE.

APPPLICATIONS are invited for the above non-resident post on the pensionable staff.

Salary £200 per annum, rising by annual increments of £7 10s. (and one of £5) to £250 per annum.

Applicants must be graduates in Pharmacy of a recognised University or hold one of the qualifications of the Pharmaceutical Society of Great Britain.

The officer appointed will work under the direction of the Medical Superintendent and the Pharmacist of the Hospital, and will devote his or her whole time to official duties. The appointment, which is subject to medical examination, will be held during the pleasure of the Council, and is terminable by one month's notice on either side.

Applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than June 25, 1938. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Assistant Dispenser, Redhill County Hospital."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE "L.I."
Clerk of the County Council.

Middlesex Guildhall,
Westminster, S.W.1.

June 13, 1938.

CROWN AGENTS FOR THE COLONIES
COLONIAL GOVERNMENT APPOINTMENTS

Applications from Qualified Candidates are invited for the following post:—

ASSISTANT SUPERINTENDENT AND DISPENSER required by the Government of Uganda for the Medical Department for one tour of 24-36 months, with possible permanency; salary £300-£18-£480-£20-£500 a year; free passages and quarters and liberal leave on full salary; candidates (age 24-30) must be Qualified Dispensers possessing a sound knowledge of Pharmacy and Medical Storekeeping; Hospital experience would be an advantage.

Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience and mentioning this paper, to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/5940.

APPRENTICES

MR. H. C. JENKINS, Pharmacist, 190 Broadhurst Gardens, West Hampstead, will shortly have a vacancy for an Apprentice (lady) preferably with Part I; no premium; excellent Dispensing experience; candidates must be of good address; wage given.

SITUATIONS OPEN

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BATH.—Young Qualified Assistant required in high-class Retail and Dispensing business; permanency to right man. Send full particulars age, experience, wages required, etc., to Dickinson, c/o Wilson & Dickinson, Chemists, Bath.

BAYSWATER.—Qualified Assistant required, in July, for good-class Pharmacy; excellent experience in West End trade; reasonable hours. State age, height, experience, references, salary required and when disengaged to G. H. Pierson, 94 Queensway, Bayswater, W.2.

B RISTOL DISTRICT.—Wanted immediately, Qualified Assistant (lady or gentleman) for a country Pharmacy. Full particulars, with photo, to Evans' Pharmacy, Ltd., Paulton, Nr. Bristol.

B RISTOL.—Qualified Assistant, as Manager for branch; also an Unqualified Junior Assistant. Apply, with full particulars, stating salary required, 205/14, Office of this Paper.

B RISTOL.—Young Qualified Chemist required in middle-class suburban business; chief essentials are competent Salesmanship, pleasing personality, adaptability; the position offers unique prospects to capable and conscientious worker; salary and commission; Optical qualification advantageous, though not essential. Full particulars to 206/9, Office of this Paper.

C OVENTRY and District Co-operative Society, Ltd., require a Young Unqualified Assistant. Give full details of experience, age, height, etc., and if possible enclosing a recent photograph, together with references or copies. Trade union wage; conditions of employment include trade union membership and subscription to the superannuation scheme. Apply not later than June 25 to above, Pharmacy Department, West Orchard, Coventry. Endorse envelope "Assistant."

L OONDON, N.W.—Qualified male Assistant required; must be of good appearance, quick and accurate Dispenser. Reply by letter, giving references, etc., to John C. Berry, Chemists, 96 Craven Park Road, Harlesden, N.W.10.

L OONDON, W.C.—Wanted, Qualified male Assistant, accustomed to good-class Retail and Dispensing. Apply, personally preferred, Friday or Tuesday, Burden & Co., 41 Store Street, W.C.1.

L OONDON, W.1.—Wanted, Qualified Assistant (male) for Dispensing business near Harley Street; permanency; please apply, giving full particulars of experience, salary required and when disengaged. 207/4, Office of this Paper.

N OORTH LONDON.—Young Qualified Assistant required for early in July, lady or gentleman. Please reply, stating age, salary required, etc., 206/55, Office of this Paper.

S URRY.—Unqualified Lady Assistant required with all-round experience; conscientious worker; able to take charge and willing to co-operate with principal to build up business. State salary (outdoors), experience, age, with photograph; permanency. 206/37, Office of this Paper.

A.A.A.A.—Experienced Unqualified Assistant required; good Counter manner essential (age 23-35); good salary. Apply, giving full particulars, height, addresses for references, and photograph, to W. F. Cole, Chemist, Lowestoft.

AN EXCELLENT OPPORTUNITY

for an
ENERGETIC AND UP-TO-DATE QUALIFIED
MANAGER.

A GE 30-45, who is required to open, organise and develop a new Drug Department, sole responsibility; good knowledge of Buying; Optical qualifications an advantage.

Salary £5 10s. (and to a first-class man this might be increased). Bonus on turnover.

Write, stating age, experience and references, to The Secretary, Joseph L. Collier, Ltd., Departmental Stores, Walworth Road, S.E.

A T O NCE.—Qualified Assistant, young, keen and energetic, for Dispensing and Counter; permanency; good prospects; knowledge of Optics an advantage; Manchester district. Send photos if possible to 207/12, Office of this Paper.

A S S I S T A N T Dispenser wanted for Doctor's Surgery at once. Apply, 206/43, Office of this Paper.

A S S I S T A N T.—Young Qualified man wanted immediately for Dispensing Counter. Horace Wright, M.P.S., The Chemist in the High Street, Edgware.

A S S I S T A N T S, Qualified and Unqualified, wanted immediately for Dispensing and Counter; must be keen and energetic. Apply, usual particulars, to Holman, Ham & Co., Ltd., Chemists, 9 The Quay, Bideford, N. Devon.

A T O N C E.—Young Unqualified Assistant, male; must be experienced Dispensing and Counter. A. J. Phillips, 198 Castelnau, Barnes, S.W.15.

B O O K - K E E P E R, male (22-24), with experience of a Chemist's business; typewriting essential. Apply by letter, giving full particulars, salary, etc., to A.J.B.C., 120 Gloucester Road, South Kensington, S.W.7.

C A P A B L E Lady Assistant required by Chemist in Tewkesbury; comfortable permanency is assured to the right applicant; general experience in Toilet and Dispensing is necessary. Kindly send full particulars, accompanied by a photograph. Thatcher, Caldmore Road, Walsall, Staffs.

C H E M I S T - O P T I C I A N required beginning of autumn; Welsh country district; energetic; permanency suitable man. State age, experience and salary required to P.C.B. 286/10, Office of this Paper.

E L D E R L Y Superintendent Chemist required for S.E. London; light duties; short hours. Particulars and salary, etc. Apply by letter only to "Occupier," 151 Perry Hill, Catford, S.E.6.

H O L M A N, Ham & Co., Ashburton.—Junior required, outdoors; short hours. Please apply Arnold, 1 Old Tiverton Road, Exeter.

H O S P I T A L for Consumption and Diseases of the Chest, Brompton, S.W.3.—Second Assistant Dispenser (male) wanted; Qualified; commencing salary £200, with luncheon. Applications stating age, experience (Hospital or otherwise), accompanied by two recent testimonials, to be addressed to the Secretary.

J U N I O R Assistant (19-24) wanted as soon as possible; experienced Window-dresser. If application by letter, state fullest particulars of experience, photo, etc. Hudson, 164 Notting Hill Gate, W.11.

J U N I O R or Improver wanted for busy middle-class shop; good Counter man and Window-dresser. State experience and salary required. W. H. Green (Chemists), Ltd., 28 Earl Street, Coventry.

L A D Y Assistant, Unqualified, for Dispensing and Counter work. Apply, stating age, experience and salary, to C. H. White, Ltd., 175 Oldbury Road, Smethwick.

L A D Y Assistant wanted at once for South-East Sussex Coast; must be capable and reliable Dispenser; salary offered £2 10s. Apply, with full particulars as to age, height and references, etc., to 206/47, Office of this Paper.

L A D Y Assistant wanted immediately, young, with General experience in middle-class district. Reply, giving full details and salary required, to Horne, Chemist, 13 Wakeman's Hill Parade Colindale, N.W.9.

L A D Y Counter Assistant required; experience with surgical appliance fitting an advantage. Send full particulars to J. J. Thomas & Son, 54 Drake Street, Rochdale.

LADY M.P.S. REQUIRED IMMEDIATELY

N O R T H W A L E S Coast; permanency; very light duties; as Senior Assistant and to take charge occasionally during owner's absence; a comfortable progressive post. Apply, with full particulars and salary required, 197/1, Office of this Paper.

M A N A G E R required for fairly quiet country business, 50 miles from London; no Sunday or half-day duty; state salary required; permanency; age immaterial. 205/7, Office of this Paper.

M.P.S., for Counter duties and N.H.I. Dispensing, required immediately; permanency. The Prosser Roberts Co., 85/87 Lambeth Walk, S.E.

M.P.S.—LONDON, N.E. (permanency if desired); easy post; no Sunday duty; no duty after 1 p.m. on early-closing day; suit lady or elderly gentleman. State particulars and salary, which must be moderate; commence immediately. 206/33, Office of this Paper.

P E R M A N E N T, Unqualified Assistant required, chiefly for Dispensing; must be quick and accurate; in first letter give age, height, and state duration of each post held and where; enclose recent photo (to be returned), stating salary required and when at liberty. "Chemist," 54 Richmond Park Road, Kingston-on-Thames.

QUALIFIED Assistant by July 11, to manage branch (age about 30). Apply Patterson, Chemist, Claygate, Surrey.

QUALIFIED Assistant required, brisk Dispensing and Counter business; Window-dressing and Counter; must be keen, energetic and courteous. State full particulars, references, salary, etc., photo if possible, Alex. W. Ardagh, Ltd., Woodlands, nr. Doncaster.

QUALIFIED Lady, single; permanency to suitable lady; comfortable position; no extra duties. Apply, with usual particulars, to L. W. Kinleside, Ltd., 106 Northfield Avenue, Ealing, W.13.

QUALIFIED male Assistant to take charge of Dispensing. State experience, along with other particulars, to J. J. Thomas & Son, 54 Drake Street, Rochdale.

QUALIFIED Manager (age 35-45), with Veterinary and Agricultural experience, for small town in Cambridgeshire; preference given to one with knowledge of local conditions; good wage with house. Apply 204/7, Office of this Paper.

QUALIFIED Manager required for Branch Pharmacy in Essex (under 30); no Sunday or half-day duty; reliable Dispenser and good Window-dresser. Full particulars, including photograph, to S. C. S., 8 Earls Hall Parade, Prittlewell, Essex.

QUALIFIED Manager required for branch shop in the West, seaside; knowledge of Optics an advantage; must live on premises; send photograph, state age, experience and salary required. Also Unqualified Assistant wanted till about middle September. L. F. Gout, Market Place, St. Ives, Cornwall.

QUALIFIED Manager required immediately for small branch in working-class district, S.W. London. Give full particulars, including age and salary required, 206/12, Office of this Paper.

QUALIFIED Supervisor for small country Branch (Mid-Kent); pleasant district; easy post; permanent; no Sunday or holiday duty; comfortable berth; suit elderly gentleman; usual particulars and salary, which must be moderate (photo if possible). 207/21, Office of this Paper.

REQUIRED, Unqualified Managing Assistant for Drug and Surgical Stores, small Midland town; wages 50s. plus bonus; state age, etc. 206/38, Office of this Paper.

UNQUALIFIED Assistant required shortly. State usual particulars, preferably by letter, in first instance, to H. R. Edgcombe, 77 Atlantic Road, London, S.W.9.

UNQUALIFIED Junior Assistant, male; experienced in Dispensing and Counter. Send full particulars, age, height, experience and salary required, Crawford, Chemist, Horley, Surrey.

UNQUALIFIED Junior, either sex, accustomed to good-class business; permanency. Please send full particulars of experience and state salary required, to Condy U'Ken & Son, 55 Cobourg Street, Plymouth.

WANTED.—A Qualified Chemist; thoroughly honest and trustworthy; good Salesman and Window-dresser; smart appearance. Write, stating age, salary, experience, copies of references, when able to commence, to 77 High Street, Camden Town, London, N.W.1, or call personally.

WANTED AT ONCE.—An Assistant, Qualified or Unqualified (not over 35 years); must be good at Dispensing, Counter and Window-dressing; good references essential. Lyons, Chemist, 182 Coldharbour Lane, S.E.5.

WANTED, Qualified Assistant, lady or gentleman; permanency; Dispensing, Counter and Window-dressing; smart appearance; good references essential; give particulars of age, salary and experience. E. Fisher's, Ltd., 2 Sherrard Street, Melton Mowbray.

WANTED.—Qualified man, capable of taking charge of branch shop; single-handed; Eastern Counties; Optical Qualification an asset but not a necessity. State salary, height, photo, etc. 208/2, Office of this Paper.

YOUNG Junior Assistant wanted immediately; permanency; good Dispenser; for good-class business. State full particulars to 328/913, Office of this Paper.

VACANCIES FOR LOCUMS

BOGNOR REGIS.—To middle September; young Unqualified male Assistant for good-class Light Retail and Dispensing, with Photographics; suit Part 1 man; state age, height, experience and salary required; applications not answered in 4 days respectfully declined. Barry, Chemist, Bognor Regis.

BRADFORD, Yorks.—Unqualified Assistant (male) required for July 11 to July 23 inclusive; £3 10s. per week. Also Qualified Assistant (male) for August 15 to August 27 inclusive; £5 per week. 204/2, Office of this Paper.

JERSEY.—Unqualified Assistant wanted for the season; possible permanency; must be good Dispenser and have thorough knowledge of Photography. Write, stating age, experience and salary, enclose photograph and references, Roberts, Chemist, Jersey.

LONDON.—Assistant, Qualified or Unqualified, for about three months during holidays; one used to medium-class trade preferred; give full particulars of experience, names of references, age, when disengaged, salary expected. Apply (letter only) Chemist, 37 Sydnor Road, London, N.16.

LONDON.—Experienced Unqualified male Assistant required for relief, July 4 to September 3. Apply, with full particulars, age, salary required and references, to Wilkie, 28 Hildreth Street, Balham, S.W.12.

SOUTH OF ENGLAND.—Unqualified Assistant required for seasonal position; early appointment; permanency later if possible. Write 328/916, Office of this Paper.

WEYMOUTH, for Season.—Junior male Assistant, possessing good Photographic sales experience. References, detailed particulars and photo to Gregorys, 75 St. Thomas Street, Weymouth.

LOCUM, Qualified (lady or gentleman), required, June 20 or soon after (mid-Kent). Please 'phone Marden 223.

LOCUM.—Unqualified Assistant, for Dispensing and Counter, from July 18 to August 20. Full particulars and salary required to Jones & Co., Ltd., 161 New Cross Road, London, S.E.14.

M.P.S. wanted as locum at once, or with view to permanency, in good-class Retail and Dispensing business in West Central district. Apply, with full particulars, 206/25, Office of this Paper, or 'phone Temple Bar 8920.

QUALIFIED man or woman (young) Assistant required for about two months from July 11. 202 Kingston Road, Teddington. 'Phone: Kingston 0967.

TIMOTHY WHITES & TAYLORS require Unqualified Assistants for holiday relief duty; immediate appointment; view permanency later. Apply, giving full particulars, to Retail Staff Manager, 70 Vauxhall Bridge Road, London, S.W.1.

YOUNG Unqualified Assistant wanted for the season. Boden, Chemist, 145A Central Drive, Blackpool.

WHOLESALE

ADVERTISER manufacturing Invalid Ports and Sherries, etc., requires Travellers to introduce to Licensed Chemists; commission only. 327/905, Office of this Paper.

BURGOYNE BURBIDGES & CO., LTD., Manufacturing Chemists, London, E.6, require Assistant Representative for territory comprising Lancs, N.W. Coast, West Riding and Cheshire; applicants must possess thorough knowledge of trade and previous experience on ground; own car advantage; state full particulars in first letter.

CASH Register Salesmen required, to handle well-tried British Register in growing demand, at competitive prices. Experienced men with own car, prepared to work on liberal expenses and commission basis, should apply to G. H. Gledhill & Sons, Ltd., Trinity Works, Halifax.

EXPERIENCED man wanted by Biological and Pharmaceutical Laboratories for Medical Propaganda work in Scotland. Apply 328/908, Office of this Paper.

FOREMAN required for Packing Department of Manufacturing Chemists, London district. Write, giving age, experience, salary required, 327/904, Office of this Paper.

PHARMACEUTICAL ORGANISATION
with extensive national market in medicinal and toilet preparations will shortly be augmenting its representative staff in selected areas throughout the country.

Candidates must be under 30 years of age, possess some knowledge of retail pharmacy and be resident in one of the following areas: West Riding, Stafford or Cheshire, Gloucestershire, Warwickshire, London North or East.

Applications should be accompanied by fullest details of experience, particulars of salary required and, if possible, a photograph.

328/912, OFFICE OF THIS PAPER

LEADING Manufacturers in Chemists' field, marketing nationally advertised products, require really first-class Representative for territory extending from Liverpool to Glasgow; applicants must be under 35 years of age, with well-established connexion amongst Chemists, and able to produce evidence of exceptional selling ability. Write, stating age, fullest particulars of experience (in confidence), earliest date available and salary required, 328/911, Office of this Paper. Present staff know of this announcement.

MALE Clerk required for Order and Invoice Department (age between 20 and 25 years); must reside within easy reach Welwyn Garden City. Full particulars of experience and wages required to Roche Products, Ltd., 47 Bowes Road, Palmers Green, N.13.

MEDICAL REPRESENTATIVE PETROLAGAR LABORATORIES, LIMITED

A PROGRESSIVE position for a Medical Representative is now vacant; applicants must be Qualified Pharmacists between the ages of 25 and 35, preferably single; the position calls for intelligence, enthusiasm and industry, as well as Sales ability. Applications (with fullest particulars as to education, business experience, height, etc.), by letter only, to Sales Director, Petrolagar Laboratories, Ltd., Oldhill Street, London, N.16. A photograph should be enclosed if possible.

MEDICAL—Travellers, calling on Doctors, offered profitable side, medical appliance. Write Box 444, Sells, Ltd., Brettenham House, Strand, W.C.2.

REPRESENTATIVE required for South-West London and South Coast districts for Toilet house of national repute; applicant must be willing to live on the territory, and own car. 328/909, Office of this Paper.

REQUIRED, two experienced Representatives, for Glasgow and Birmingham, by distributors of high-grade Medical Specialties; sales and medical propaganda experience essential; salary and commission basis. Reply, giving full particulars and age, and state if car owner, 328/907, Office of this Paper.

THE Nyal Company, Ltd., requires a first-class Representative with good connexion among Retail Chemists, for Midlands and North England; liberal salary and commission. Reply to Nyal Company, Ltd., West Drayton, Middlesex.

TRUFOOD, LTD., require Registered Pharmacists for Medical and Sales Propaganda (age not to exceed 35 years); progressive positions for men of the right character. State in first instance, with photo (which will be returned) age, experience, and salary expected, to Managing Director, Trufood, Ltd., Bebbington, Wirral, Cheshire.

VACANCY in Manufacturing concern for Chemist or other technical person familiar with the manufacture and handling of Mercury Products, both industrial and pharmaceutical. Write 205/22, Office of this Paper.

WHOLE-TIME Representative on salary, commission and expenses wanted to sell Packed and Bulk Toilets in area Bedford, Cambridge, Peterborough, Coventry; own car essential, and knowledge of Hairdressing Trade and Hairdressers in area highly desirable. Send all particulars to 207/14, Office of this Paper.

ALL DRUG AND FINE CHEMICAL WORKERS SHOULD JOIN AT ONCE

THE CHEMICAL WORKERS' UNION

Reg. T.U. No. 1696 - Founded 1912

BENEFITS: Trade Protection, Legal Aid, Unemployment Benefit, Free Use of Employment Bureau

WRITE FOR PARTICULARS: Arthur J. Gillian, Gen. Sec.,
149 Newington Causeway, London, S.E.1

COLONIAL, INDIAN AND FOREIGN

EXPERT Tablet Maker required by Manufacturing Chemists in South Africa; experienced in Drugs and Granulating, also coating tablets, preparing new products; must understand whole technique and machinery used; young married man preferred, able to control staff; 3 years' agreement; passage paid. Write details Box 535, Leathwait & Simmons, 1-4 Copthall Chambers, E.C.2.

SALES MANAGER required by an important firm of Pharmaceutical and Infants' Food Branch; applicant must be first-class man of good appearance and education; experience of Medical Propaganda and Sales experience with high-grade Proprietary Food Products, as well as knowledge of the German language, an advantage. Write fully, stating age, experience and salary required, to P 7969 Y, Publicitas, Berne, Switzerland.

SITUATIONS WANTED

RETAIL (HOME)

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

ASSISTANT, Unqualified (33), well experienced, Salesman, Window-dresser, Dispenser, capable Buyer, good knowledge Photographic and Book-keeping, disengaged, desires permanency. S., 24 The Risings, Whipps Cross, E.17.

ASSISTANT, West End, part time; accustomed to good-class business. W. Hairsine, 52 Wardour Street, W.1.

CHEMIST, young, tall, exceptional experience all branches, seek post requiring energy and ability; would be particularly useful to anyone organising or reorganising chain of shops. 206/31, Office of this Paper.

CHEMIST-OPTICIAN, M.P.S., F.B.O.A., F.I.O.O., seeks Manager-ship; wide experience City, West End; excellent references; Prescribing, Displays, Salesmanship, Agricultural; used controlling staff; married. Pharmacist, 5 Ingleby Way, Chislehurst, Kent.

DISPENSER, neat and accurate, Hall Qualification, some quantitative and biochemical work done, seeks situation, Doctor or Hospital preferred. 197/9, Office of this Paper.

DISPENSER, young, seeks post, Hall qualification, Institution trained; careful; competent; Hospital or Institution preferred, not essential. 204/3, Office of this Paper.

LADY Dispenser (Hall) requires post with Doctor; permanent, part-time or locum; Essex preferred, not essential; 15 years' experience. Offord, 19 Lower Brook Street, Ipswich. Phone: Ipswich 3048.

LADY Dispenser-Bookkeeper (M.P.S., F.B.O.A.); varied experience home and abroad; wide knowledge Surgical, Perfumery; recently own business; post with Doctor or Hospital preferred, not essential. Apply 206/20, Office of this Paper.

LADY, Unqualified, experienced Retail, Dispensing, requires change in Retail Business or as Doctor's Dispenser; Lancashire preferred. 207/11, Office of this Paper.

LONDON or Southern Counties.—Experienced, reliable Manager or locum; free July 2; please state requirements. M.P.S., 4 Exton Road, Boscombe, E.

MANAGER, good all-round experience, seeks permanency; at liberty one month from date of engagement. M.P.S., 22 Oswestry Road, Oxford.

M.P.S., F.S.M.C., D.B.O.A. (39), Registered O.B.A.C., requires responsible position, London district; 15 years own businesses; experienced all branches high-class Pharmacy. Chemist, 30 Brooklyn Avenue, Loughton, Essex.

PERMANENCY, Manager (38), West End and Provincial experience; control of staff; good appearance; thoroughly experienced in every branch; excellent references. "Chemist," 53 Flask Walk, Hampstead, N.W.3.

QUALIFIED (34); 5 ft. 3 in., very good general experience and references, knowledge Photo, etc., desires post as Manager, locum considered. 1 Roseberg Road, Boscombe, Bournemouth.

SCOT, Unqualified (24), experienced all branches, requires position, London or suburbs; free June 27. 205/4, Office of this Paper.

LOCUMS SEEKING ENGAGEMENTS

ACTIVE, energetic Assistant (46); tall; Unregistered; best experience in all capacities; locum or permanency. Haigh, 37 Fairholme Road, Harrow.

ASSISTANT, Part I, requires seasonal post in Cornwall, reliable Dispenser; accustomed high-class Counter trade. Philp, Trehaveerne, Truro.

ASSISTANT, 13 years' all-round experience, desires post, locum or permanent; London or near; disengaged Saturday, June 18. Byrne, 18 Clifton Villas, Maida Vale, W.9.

DISENGAGED August 1-20; extensive experience; excellent references. M.P.S., 83 Abergele Road, Colwyn Bay.

LOCUM.—Competent all-round Assistant, Unregistered, open for engagement from June 20, all branches of Pharmacy (some Optics). A. C. R., 40 Shipbourne Road, Tonbridge, Kent.

LOCUM, good general experience; London or country; free June 27-July 23, August 8-13. Chemist, 10 Clarendon Street, Bedford.

LOCUM, Qualified, free July, August, September; excellent West End experience and references. P.C.B. 286/4, Office of this Paper.

LOCUM, with highest references, free June 27 to July 16; any distance; Unqualified. E. F., 208 Waverley Avenue, Twickenham.

QUALIFIED Locum, free first fortnight in August, from Bath; highest references; fully experienced. Greenmount, 13 Ferndale Road, Teignmouth.

UNQUALIFIED bachelor (40), fully experienced, as Locum, Assistant, or capable of taking charge for invalid or elderly Pharmacist; anywhere; free at once. Baldwin, c/o 59 Heybridge Avenue, S.W.16.

WHOLESALE

YOUNG Unqualified Chemist (32) wishes to join Wholesale House as Representative; well educated; hard worker; own car; experienced. 206/29, Office of this Paper.

BIRMINGHAM and 30 miles round; young experienced Salesman desires change; fully conversant with the Chemists' trade; moderate salary. 206/22, Office of this Paper.

GENTLEMAN (32), Qualified, offers services; some previous Propaganda experience; capable; good appearance, personality; able to drive; resident London. 204/4, Office of this Paper.

LABORATORY Assistant, Unqualified (25), seeks situation, anywhere; references; all-round experience. "P.", c/o 129 Highland Road, Southsea

PILL Maker requires situation; all-round experience in Pill Department; knowledge of Tablets; good references. G. W. Lusher, 16 Leopold Road, East Finchley, N.2.

TRAINING, long experience, excellent records; health; address; car; Representative, Propagandist; salary and expenses. "Sagittarius," c/o Jackson, Rowan Avenue, Boothville, Northampton.

UNQUALIFIED Chemist seeks progressive post; Wholesale or Manufacturing house. H. B., 206/19, Office of this Paper.

WANTED.—Situation as Packer, Home and Export. Reply to Mr. F. C. Odiam, 7 Florence Street, Islington, N.1.

FOR SALE

(Articles to the value of £5-£50.)

NATIONAL Cash Register, prints sales, gives total; must sell; reasonable. Write W. Drury, 36 Foss Road, S.W.17.

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IDEAL CHEMIST SHOP FIXTURES and Fittings, New, Second-hand and Shop-soiled, to be selected from our varied stock, at advantageous prices. Carboys, Shop Rounds, Cash Registers, Tills, Safes, Dispensing and Personal Weighing Machines. Courteous attention will be afforded any enquiry, large or small. Your inspection is cordially invited. Send your requirements to RUDDUCK & CO., 219 Old Street, London, E.C.1.

SECONDHAND FITTINGS.—Complete set of mahogany fittings including Shop Rounds, Mortars and Carboys. All at one quarter to day's price. Can be seen at, or full particulars from, PHILIP JOSEPH & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. Phone, Clerkenwell 4111/2. "Pharmacy Fitters for over a Century."

STOCKS PURCHASED FOR CASH.—Manufacturers' clearances, bankruptcy stocks, discontinued lines, rejects, etc. Linder & Gordon, Job Buyers and General Merchants, 117 Imperial House, 80/86 Regent Street, London, W.1. Tel.: Regent 5789.

SECOND-HAND CHEMIST WALL CASES, to clear, all 8 ft. 3 in. high, 14½ in. deep, exterior painted cream; upper parts enclosed by glazed airtight doors and fitted shelves; lower parts cupboards and drawers; one 8 ft. 9 in. long, 11 drawers and cupboards, £10; one 12 ft. long, ditto, £14; one 12ft. 6 in. long, cupboards only, £12; two 10 ft. 2 in. long, each with 53 drawers, £17 10s. each; full particulars gladly sent on request; large stocks of Glass Counters, Centre Cases, Nests of Drawers, etc. Call, write or phone: F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 Old Street, London, E.C.1. Telephone, Clerkenwell 1782.

SHOPFITTINGS.—H. Mills & Sons, Ltd., Pioneer Chemists' Shopfitters, have a large stock of high-class second-hand Shopfittings for disposal; shops fitted complete from £50. 163/5 Old Street, London, E.C.1. Clerkenwell 5502.

4 X 5 lb. Bottles old matured Mitcham Oil of Peppermint, distilled by Jacksons; first reasonable offer will be accepted. Also about 2 tons Gelatine, confectioner's quality. 205/12, Office of this Paper.

£2—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showrooms a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting, Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

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2d. per word, minimum 2s. (Box No., 1s. extra.)

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BUTCHERS Autoprint Enlarger (condition as new), ½ plate; £4 4s. 204/6, Office of this Paper.

OPTICAL Trial Case for sale, 80 lenses, oak case, as new; cost 8 guineas; what offers? 204/1, Office of this Paper.

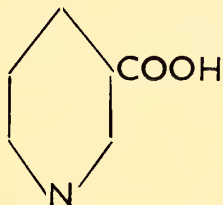
SHOWCASES and some Mirrored Back Wall Fittings; exceptional quality; Swan-neck Carboys (2); some D. & P. Apparatus. 6 Porchester Road, Bayswater. BAY. 2081.

17-FT. DRUG RUN, 15-ft. Counter and Cases, 4-ft. Dispensing Counter, 22-in. Wall Case, etc.; mahogany; London. P.C.B. 286/11, Office of this Paper.

WANTED

B.P.C., latest. Melville, Chemist, 185 Hammersmith Road, W.6.

WANTED.—Cooks 3 per cent. Asepsa Soap. State price and quantity. Smithsons, Chemists, Brighton.



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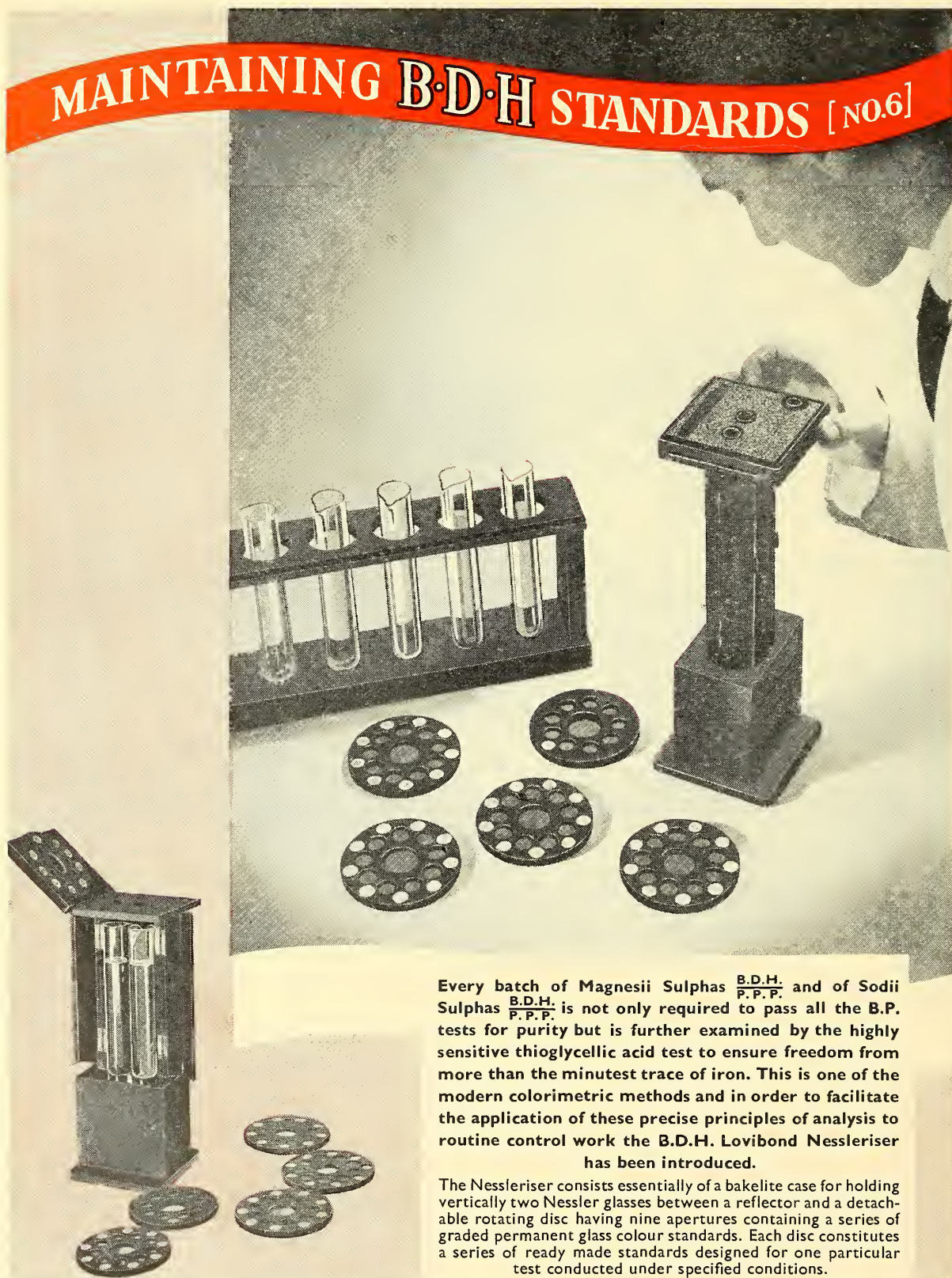
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Every batch of Magnesium Sulphas B.D.H.
P.P.P. and of Sodium Sulphas B.D.H.
P.P.P. is not only required to pass all the B.P. tests for purity but is further examined by the highly sensitive thioglycolic acid test to ensure freedom from more than the minutest trace of iron. This is one of the modern colorimetric methods and in order to facilitate the application of these precise principles of analysis to routine control work the B.D.H. Lovibond Nessleriser has been introduced.

The Nessleriser consists essentially of a bakelite case for holding vertically two Nessler glasses between a reflector and a detachable rotating disc having nine apertures containing a series of graded permanent glass colour standards. Each disc constitutes a series of ready made standards designed for one particular test conducted under specified conditions.

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